

Duke Energy Carolinas, LLC
Balance Sheet
As of December 31, 2017

Doss Exhibit 1
Docket No. 2018-319-E
Page 1 of 4

Line No.		Amount
	ASSETS	
	UTILITY PLANT	
1	Utility Plant (101-106,114)	\$ 38,269,626,033
2	Construction Work in Progress (107)	2,610,346,436
3	Total Utility Plant	40,879,972,469
4	(Less) Accum. Prov. for Depr. Amort. Depl. (108, 110, 111, 115)	15,379,235,049
5	Net Utility Plant	25,500,737,420
6	Nuclear Fuel in Process of Ref., Conv., Enrich., and Fab (120.1)	315,193,682
7	Nuclear Materials and Assemblies - Stock Account (120.2)	1
8	Nuclear Fuel Assemblies in Reactor (120.3)	1,158,802,565
9	Spent Nuclear Fuel (120.4)	652,248,802
10	(Less) Accum. Provision for Amort. of Nuclear Fuel Assemblies (120.5)	1,283,591,983
11	Net Nuclear Fuel	842,653,067
12	Total Utility Plant, Net	26,343,390,487
13	Utility Plant Adjustments (116)	1,012,652
	OTHER PROPERTY & INVESTMENTS	
14	Non Utility Property (121)	118,030,854
15	(Less) Accum. Prov. for Depr. and Amort. (122)	38,522,984
16	Investment in Subsidiary Companies (123.1)	13,114,070
17	Other Investments (124)	94,370
18	Other Special Funds (128)	4,114,781,423
19	Long Term Portion of Derivative Assets - Hedges (176)	94,297
20	Total Other Property and Investments	4,207,592,030
	CURRENT AND ACCRUED ASSETS	
21	Cash (131)	15,882,026
22	Working Funds (135)	300,000
23	Customer Accounts Receivable (142)	356,566,585
24	Other Accounts Receivable (143)	146,007,450
25	(Less) Accum. Prov. for Uncollectible Account - Credit (144)	9,041,317
26	Accounts Receivable from Associated Companies (146)	110,443,568
27	Fuel Stock (151)	229,301,332
28	Plant Material and Operating Supplies (154)	697,542,126
29	Other Materials and Supplies (156)	71,125
30	Allowances (158.1 and 158.2)	38,694,923
31	Store Expenses Undistributed (163)	44,420,013
32	Prepayments (165)	15,298,464
33	Rents Receivable (172)	299,733
34	Accrued Utility Revenue (173)	300,035,802
35	Miscellaneous Current and Accrued Assets (174)	24,594,139
36	Derivative Instrument Assets Hedges (176)	1,683,416
37	(Less) Long Term Portion of Derivative Instruments Assets - Hedges	94,297
38	Total Current and Accrued Assets	1,972,005,088
	DEFERRED DEBITS	
39	Unamortized Debt Expenses (181)	50,054,596
40	Other Regulatory Assets (182.3)	2,760,098,689
41	Preliminary Survey and Investigation Charges (183)	14,113,390
42	Clearing Accounts (184)	819,880
43	Miscellaneous Deferred Debits (186)	1,208,726,515
44	Unamortized Loss on Reacquired Debt (189)	63,880,032
45	Accumulated Deferred Income Taxes (190)	2,492,302,268
46	Total Deferred Debits	6,589,995,370
47	Total Assets	\$ 39,113,995,627

Duke Energy Carolinas, LLC
Balance Sheet
As of September 30, 2017

Doss Exhibit 1
Page 2 of 4

Line No.		Amount
CAPITALIZATION AND LIABILITIES		
PROPRIETARY CAPITAL		
1	Other Paid In Capital (208-211)	\$ 3,725,067,453
2	Retained Earnings (215, 215.1, 216)	7,643,088,909
3	Unappropriated Undistributed Subsidiary Earnings (216.1)	4,810,163
4	Accumulated Other Comprehensive Income (219)	(7,080,444)
5	Total Proprietary Capital	<u>11,365,886,081</u>
LONG-TERM DEBT		
6	Bonds (221)	9,109,647,708
7	Advances from Associated Companies (223)	300,000,000
8	Other Long Term Debt (224)	698,720,661
9	(Less) Unamortized Discount on LT Debt (226)	19,475,590
10	Total Long Term Debt	<u>10,088,892,779</u>
OTHER NONCURRENT LIABILITIES		
11	Obligations Under Capital Leases (227)	56,762,634
12	Accumulated Provision for Property Insurance (228.1)	99,736,918
13	Accumulated Provision for Injuries and Damages (228.2)	491,016,994
14	Accumulated Provision for Pensions and Benefits (228.3)	89,513,551
15	Accumulated Miscellaneous Operating Provisions (228.4)	5,850,488
16	LT Portion of Derivative Instrument Liabilities - Hedges	3,931,968
17	Asset Retirement Obligations (230)	3,609,220,322
18	Total Other NonCurrent Liabilities	<u>4,356,032,875</u>
CURRENT AND ACCRUED LIABILITIES		
19	Accounts Payable (232)	817,851,599
20	Notes Payable to Associated Companies (233)	103,631,000
21	Accounts Payable to Associated Companies (234)	228,208,749
22	Customer Deposits (235)	120,757,841
23	Consolidated Taxes Accrued (236)	238,979,854
24	Interest Accrued (237)	132,853,878
25	Tax Collections Payable (241)	10,981,269
26	Miscellaneous Current and Accrued Liabilities (242)	297,226,618
27	Obligations Under Capital Leases - Current (243)	4,089,199
28	Derivative Instrument Liabilities (244)	24,594,139
29	Derivative Instrument Liabilities - Hedges (245)	8,707,368
30	(Less) LT Portion of Derivative Instrument Liabilities - Hedges	3,931,968
31	Total Current and Accrued Liabilities	<u>1,983,949,546</u>
DEFERRED CREDITS		
32	Customer Advances for Construction (252)	500,000
33	Accumulated Deferred Investment Tax Credits (255)	232,388,410
34	Other Deferred Credits (253)	609,161,169
35	Other Regulatory Liabilities (254)	4,571,153,903
36	Accumulated Deferred Income Taxes Oth Property (282)	4,129,591,930
37	Accum Deferred Income Tax Other (283)	1,776,438,934
38	Total Deferred Credits	<u>11,319,234,346</u>
39	Total Capitalization and Liabilities	<u><u>\$ 39,113,995,627</u></u>

Duke Energy Carolinas, LLC
Income Statement
For The Test Period (12 Months) Ended December 31, 2017

Doss Exhibit 1
Page 3 of 4

Line No.	Amount
1 Operating Revenues (400)	\$ 7,315,231,033
Operating Expenses	
2 Operation Expenses (401)	3,115,529,868
3 Maintenance Expenses (402)	627,274,061
4 Depreciation Expenses (403)	984,369,327
5 Amortization and Depletion of Utility Plant (404-405)	52,750,296
6 Regulatory Debits (407.3)	115,028,712
7 (Less) Regulatory Credits (407.4)	18,197,499
8 (Less) Gains from Disposition of Allowances (411.8)	219,459
9 Total Depreciation and Amortization Expenses	1,134,170,295
10 Taxes Other Than Income Taxes (408.1)	277,321,324
11 Total Operating Expense Before Income Taxes	5,154,295,548
12 Income Taxes - Federal (409.1)	212,429,582
13 Income Taxes - Other (409.1)	19,575,054
14 Provision for Deferred Income Taxes (410.1)	1,418,857,415
15 (Less) Provision for Deferred Income Tax Credit (411.1)	1,031,927,861
16 Investment Tax Credit Adjustment Net (411.4)	(5,298,340)
17 Total Income Taxes On Operating Income	613,635,850
18 Total Utility Operating Expenses	5,767,931,398
19 Net Utility Operating Income	1,547,299,635
Other Income	
20 (Less) Costs and Exp. of Merchandising, Job & Contract Work (416)	25,596
21 Revenues from Nonutility Operations (417)	21,881,794
22 (Less) Expenses of Nonutility Operations (417.1)	19,495,926
23 Non Operating Rental Income (418)	(2,964,090)
24 Equity in Earnings of Subsidiary Companies (418.1)	1,792,692
25 Interest and Dividend Income (419)	1,550,841
26 Allowance for Other Funds Under Construction (419.1)	105,820,147
27 Miscellaneous Nonoperating Income (421)	29,319,670
28 Gain On Disposal Of Property (421.1)	947,292
29 Total Other Income	138,826,824
Other Income Deductions □	
30 Loss on Disposition of Property (421.2)	228,606
31 Miscellaneous Amortization (425)	9,979
32 Donations (426.1)	4,083,062
33 Penalties (426.3)	3,870,703
34 Exp. For Certain Civic, Political and Related Activity (426.4)	3,470,140
35 Other Deductions (426.5)	10,139,650
36 Total Other Income Deductions	21,802,140
Taxes Applicable to Other Income and Deductions	
37 Taxes Other than Income Taxes (408.2)	3,590,612
38 Income Taxes - Federal (409.2)	7,925,742
39 Income Taxes - Other (409.2)	929,426
40 Provision for Deferred Income Taxes (410.2)	32,806,720
41 (Less) Provision for Deferred Income Taxes - Cr (411.2)	5,431,647
42 Total Taxes on Other Income and Deductions	39,820,853
43 Net Other Income and Deductions	77,203,831
Interest Charges	
44 Total Interest on Long - Term Debt (427)	437,490,775
45 Amortization of Debt Discount and Exp (428)	5,981,227
46 Amortization of Loss on Reaquired Debt (428.1)	6,494,805
47 Interest on Debt to Associated Companies (430)	6,738,727
48 Other Interest Expense (431)	(2,023,488)
49 (Less) Allowance for Borrowed Funds Used During Construction - Cr (432)	44,925,700
50 Net Interest Charges	409,756,346
51 Net Income	\$ 1,214,747,120

Duke Energy Carolinas, LLC
Statement of Capitalization
As of December 31, 2017

Doss Exhibit 1
Page 4 of 4

Long-Term Debt

<u>Line</u> <u>Number</u>	<u>Description</u>	<u>Rate</u>	<u>Interest</u> <u>Type</u>	<u>Maturity</u> <u>Date</u>	<u>Outstanding</u> <u>Balance</u>	<u>Percent</u> <u>of Total</u>
1	Intercompany borrowings (Money pool)	1.664%	Floating	03/01/22	\$ 300,000,000	
2	First Mortgage Bond	5.250%	Fixed	01/15/18	400,000,000	
3	First Mortgage Bond	5.100%	Fixed	04/15/18	300,000,000	
4	First Mortgage Bond	7.000%	Fixed	11/15/18	500,000,000	
5	First Mortgage Bond	4.300%	Fixed	06/15/20	450,000,000	
6	First Mortgage Bond	8.950%	Fixed	07/01/27	9,647,707	
7	First Mortgage Bond	6.000%	Fixed	01/15/38	500,000,000	
8	First Mortgage Bond	6.050%	Fixed	04/15/38	600,000,000	
9	First Mortgage Bond	5.300%	Fixed	02/15/40	750,000,000	
10	First Mortgage Bond	3.900%	Fixed	06/15/21	500,000,000	
11	First Mortgage Bond	4.250%	Fixed	12/15/41	650,000,000	
12	First Mortgage Bond	3.750%	Fixed	06/01/45	500,000,000	
13	First Mortgage Bond	4.000%	Fixed	09/30/42	650,000,000	
14	First Mortgage Bond	2.500%	Fixed	03/15/23	500,000,000	
15	First Mortgage Bond	3.875%	Fixed	03/15/46	500,000,000	
16	First Mortgage Bond	2.950%	Fixed	12/01/26	600,000,000	
17	First Mortgage Bond	3.700%	Fixed	12/01/47	550,000,000	
18	Tax-Exempt Bonds	4.625%	Fixed	11/01/40	50,000,000	
19	Tax-Exempt Bonds	4.625%	Fixed	11/01/40	50,000,000	
20	Tax-Exempt Bonds	4.375%	Fixed	10/01/31	71,605,000	
21	Tax-Exempt Bonds	4.375%	Fixed	10/01/31	71,595,000	
22	Secured Debt (DERF)*	2.314%	Floating	12/15/20	275,000,000	
23	Secured Debt (DERF)*	2.177%	Floating	12/15/20	175,000,000	
24	Unsecured Debt	6.000%	Fixed	12/01/28	300,000,000	
25	Unsecured Debt	6.450%	Fixed	10/15/32	350,000,000	
26	Unsecured Debt	6.100%	Fixed	06/01/37	500,000,000	
27	Gains on Terminated Swaps			10/15/32	5,520,661	
28	Unamortized Debt (Discount)/Premium				(19,475,590)	
29	Total Long Term Debt				\$ 10,088,892,778	
30	Capital Leases				\$ 56,762,634	
31	Total Long Term Debt and Capital Leases				\$ 10,145,655,412	47.2%
Regulatory Common Equity						
32	Other Paid in Capital				\$ 3,725,067,453	
33	Retained Earnings				7,647,899,072	
34	Accumulated Other Comprehensive Income				(7,080,444)	
35	Total Common Equity				\$ 11,365,886,081	52.8%
36	Total Regulatory Capitalization				\$ 21,511,541,493	100.0%

*DERF - Duke Energy Receivable Finance Company, LLC

Doss Exhibit 3

Docket No. 2018-319-E
DUKE ENERGY CAROLINAS
SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK RESERVE AND CALCULATED
ANNUAL DEPRECIATION ACCRUAL RATES AS OF DECEMBER 31, 2016

		ORDERED RATES								
		PROBABLE RETIREMENT DATE	SURVIVOR CURVE	Docket No NET SALVAGE PERCENT	ORIGINAL COST AS OF DECEMBER 31, 2016	BOOK RESERVE	FUTURE ACCRUALS	CALCULATED ANNUAL ACCRUAL		COMPOSITE REMAINING LIFE
ACCOUNT		DATE						AMOUNT	RATE	
(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)=(8)/(5)	(10)=(7)/(8)
STEAM PRODUCTION PLANT										
311.00	STRUCTURES AND IMPROVEMENTS									
	MARSHALL	06-2034	100-S1	*	(5)	81,845,321.81	41,629,483	44,308,105	2,569,758	3.14
	BELEWS CREEK	06-2037	100-S1	*	(7)	290,032,066.45	130,982,714	179,351,597	8,892,261	3.07
	LEE	06-2030	100-S1	*	(11)	14,607,215.13	10,014,235	6,199,774	465,262	3.19
	CLIFFSIDE 5 (J.E. ROGERS)	06-2032	100-S1	*	(5)	61,683,092.93	31,368,035	33,399,213	2,176,844	3.53
	CLIFFSIDE 6 (J.E. ROGERS)	06-2048	100-S1	*	(6)	156,294,068.76	22,452,053	143,219,660	4,617,034	2.95
	CLIFFSIDE 5 AND 6 COMMON (J.E. ROGERS)	06-2048	100-S1	*	(5)	23,486,029.95	1,950,976	22,709,355	730,293	3.11
	ALLEN	06-2026	100-S1	*	(5)	85,082,227.34	51,270,563	38,065,776	4,022,875	4.73
	SHARED DEPARTMENT PLANT	06-2048	100-S1	*	(20)	5,383,960.92	1,920,525	4,540,228	148,685	2.76
	TOTAL STRUCTURES AND IMPROVEMENTS					718,413,983.29	291,588,584	471,793,708	23,623,012	3.29
312.00	BOILER PLANT EQUIPMENT									
	MARSHALL	06-2034	50-R2	*	(5)	1,153,710,606.16	576,976,981	634,419,155	37,818,248	3.28
	BELEWS CREEK	06-2037	50-R2	*	(7)	1,377,688,170.87	686,633,973	787,492,370	40,681,069	2.95
	LEE	06-2030	50-R2	*	(11)	49,547,738.72	30,412,187	24,585,803	1,863,729	3.76
	CLIFFSIDE 5 (J.E. ROGERS)	06-2032	50-R2	*	(5)	527,212,494.21	265,361,019	288,212,100	19,224,403	3.65
	CLIFFSIDE 6 (J.E. ROGERS)	06-2048	50-R2	*	(6)	1,246,400,110.43	240,847,609	1,080,336,508	37,309,924	2.99
	CLIFFSIDE 5 AND 6 COMMON (J.E. ROGERS)	06-2048	50-R2	*	(5)	14,312,513.16	3,109,784	11,918,355	413,186	2.89
	ALLEN	06-2026	50-R2	*	(5)	853,945,919.70	600,661,612	295,981,604	31,712,849	3.71
	SHARED DEPARTMENT PLANT	06-2048	50-R2	*	(15)	1,215,219.66	253,797	1,143,706	39,502	3.25
	TOTAL BOILER PLANT EQUIPMENT					5,224,032,772.91	2,404,256,962	3,124,089,601	169,062,910	3.24
314.00	TURBOGENERATOR UNITS									
	MARSHALL	06-2034	55-R1.5	*	(5)	171,273,280.77	59,153,936	120,683,009	7,360,222	4.30
	BELEWS CREEK	06-2037	55-R1.5	*	(7)	209,893,678.37	65,687,722	158,898,514	8,296,141	3.95
	LEE	06-2030	55-R1.5	*	(11)	9,173,782.23	6,568,691	3,614,207	310,512	3.38
	CLIFFSIDE 5 (J.E. ROGERS)	06-2032	55-R1.5	*	(5)	58,289,124.34	24,720,135	36,483,446	2,500,973	4.29
	CLIFFSIDE 6 (J.E. ROGERS)	06-2048	55-R1.5	*	(6)	268,644,514.67	32,961,462	251,801,724	8,739,982	3.25
	ALLEN	06-2026	55-R1.5	*	(5)	123,750,569.53	42,394,725	87,543,373	9,491,877	7.67
	SHARED DEPARTMENT PLANT	06-2048	55-R1.5	*	(5)	535,483.39	69,322	492,936	17,131	3.20
	TOTAL TURBOGENERATOR UNITS					841,560,433.30	231,555,993	659,517,209	36,716,838	4.36
315.00	ACCESSORY ELECTRIC EQUIPMENT									
	MARSHALL	06-2034	60-S1	*	(5)	73,891,899.94	35,654,218	41,932,277	2,544,526	3.44
	BELEWS CREEK	06-2037	60-S1	*	(7)	67,326,850.95	28,818,253	43,221,478	2,256,069	3.35
	LEE	06-2030	60-S1	*	(11)	16,679,606.73	11,030,064	7,484,299	587,709	3.52
	CLIFFSIDE 5 (J.E. ROGERS)	06-2032	60-S1	*	(5)	24,968,752.89	13,626,707	12,590,484	861,234	3.45
	CLIFFSIDE 6 (J.E. ROGERS)	06-2048	60-S1	*	(6)	153,759,988.60	20,796,778	142,188,810	4,781,040	3.11
	ALLEN	06-2026	60-S1	*	(5)	56,549,281.53	36,340,836	23,035,910	2,498,913	4.42
	TOTAL ACCESSORY ELECTRIC EQUIPMENT					393,176,380.64	146,266,856	270,453,258	13,529,491	3.44
316.00	MISCELLANEOUS POWER PLANT EQUIPMENT									
	MARSHALL	06-2034	50-R2.5	*	(5)	32,051,344.25	9,082,291	24,571,620	1,462,726	4.56
	BELEWS CREEK	06-2037	50-R2.5	*	(7)	20,074,595.39	5,462,686	16,017,131	821,803	4.09
	LEE	06-2030	50-R2.5	*	(11)	6,109,128.82	2,490,710	4,290,423	329,063	5.39
	CLIFFSIDE 5 (J.E. ROGERS)	06-2032	50-R2.5	*	(5)	12,830,829.30	4,105,491	9,366,880	625,369	4.87
	CLIFFSIDE 6 (J.E. ROGERS)	06-2048	50-R2.5	*	(6)	246,633,234.18	28,183,052	233,248,176	7,901,277	3.20
	CLIFFSIDE 5 AND 6 COMMON (J.E. ROGERS)	06-2048	50-R2.5	*	(5)	1,671,770.11	68,905	1,686,454	56,424	3.38

Doss Exhibit 3

Docket No. 2018-319-E
DUKE ENERGY CAROLINAS
SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK RESERVE AND CALCULATED
ANNUAL DEPRECIATION ACCRUAL RATES AS OF DECEMBER 31, 2016

		ORDERED RATES									
		PROBABLE	SURVIVOR	Docket No	ORIGINAL COST	BOOK	FUTURE	CALCULATED		COMPOSITE	
ACCOUNT	RETIREMENT	CURVE	NET	AS OF	RESERVE	ACCRUALS	ANNUAL ACCRUAL		REMAINING		
(1)	DATE	(3)	SALVAGE	DECEMBER 31, 2016	(6)	(7)	AMOUNT	RATE	LIFE		
	(2)	(3)	PERCENT	(5)			(8)	(9)=(8)/(5)	(10)=(7)/(8)		
ALLEN	06-2026	50-R2.5	*	(5)	17,931,842.79	7,379,699	11,448,736	1,227,540	6.85	9.3	
SHARED DEPARTMENT PLANT	06-2048	50-R2.5	*	(5)	4,248,061.72	244,600	4,215,865	141,466	3.33	29.8	
TOTAL MISCELLANEOUS POWER PLANT EQUIPMENT					341,550,806.56	57,017,434	304,845,285	12,565,668	3.68	24.3	
TOTAL STEAM PRODUCTION PLANT					7,518,734,376.70	3,130,685,829	4,830,699,061	255,497,919	3.40	18.9	
NUCLEAR PRODUCTION PLANT											
321.00	STRUCTURES AND IMPROVEMENTS										
	OCONEE	07-2034	55-S1.5	*	(1)	942,131,351.39	309,639,896	641,912,769	37,767,806	4.01	17.0
	MCGUIRE	03-2043	55-S1.5	*	(4)	685,252,617.29	337,872,145	374,790,577	16,946,705	2.47	22.1
	CATAWBA	12-2043	55-S1.5	*	(4)	239,236,905.17	119,687,159	129,119,222	5,731,592	2.40	22.5
TOTAL STRUCTURES AND IMPROVEMENTS					1,866,620,873.85	767,199,200	1,145,822,568	60,446,103	3.24	19.0	
322.00	REACTOR PLANT EQUIPMENT										
	OCONEE	07-2034	50-R2	*	(1)	1,830,821,326.71	592,081,753	1,257,047,787	74,636,508	4.08	16.8
	MCGUIRE	03-2043	50-R2	*	(4)	1,501,126,232.83	732,020,426	829,150,856	37,412,460	2.49	22.2
	CATAWBA	12-2043	50-R2	*	(4)	381,249,876.29	191,154,633	205,345,238	9,139,632	2.40	22.5
TOTAL REACTOR PLANT EQUIPMENT					3,713,197,435.83	1,515,256,812	2,291,543,881	121,188,600	3.26	18.9	
323.00	TURBOGENERATOR UNITS										
	OCONEE	07-2034	50-R1.5	*	(1)	319,693,800.58	123,894,819	198,995,920	12,180,798	3.81	16.3
	MCGUIRE	03-2043	50-R1.5	*	(4)	546,947,957.78	151,311,019	417,514,857	17,897,423	3.27	23.3
	CATAWBA	12-2043	50-R1.5	*	(4)	96,055,531.02	46,330,023	53,567,729	2,447,849	2.55	21.9
TOTAL TURBOGENERATOR UNITS					962,697,289.38	321,535,861	670,078,506	32,526,070	3.38	20.6	
324.00	ACCESSORY ELECTRIC EQUIPMENT										
	OCONEE	07-2034	50-R2.5	*	(1)	839,839,501.06	181,551,459	666,686,437	39,006,224	4.64	17.1
	MCGUIRE	03-2043	50-R2.5	*	(4)	212,599,250.08	97,730,688	123,372,532	5,749,453	2.70	21.5
	CATAWBA	12-2043	50-R2.5	*	(4)	78,437,855.56	35,377,056	46,198,314	2,084,551	2.66	22.2
TOTAL ACCESSORY ELECTRIC EQUIPMENT					1,130,876,606.70	314,659,203	836,257,283	46,840,228	4.14	17.9	
325.00	MISCELLANEOUS PLANT EQUIPMENT										
	OCONEE	07-2034	50-R2.5	*	(1)	214,323,199.07	89,616,564	126,849,867	7,543,272	3.52	16.8
	MCGUIRE	03-2043	50-R2.5	*	(4)	255,838,774.72	102,162,741	163,909,585	7,005,009	2.74	23.4
	CATAWBA	12-2043	50-R2.5	*	(4)	46,908,968.72	19,450,855	29,334,472	1,228,900	2.62	23.9
	SHARED DEPARTMENT PLANT	12-2043	50-R2.5	*	(2)	4,161,258.25	297,126	3,947,357	152,120	3.66	25.9
TOTAL MISCELLANEOUS PLANT EQUIPMENT					521,232,200.76	211,527,286	324,041,281	15,929,301	3.06	20.3	
TOTAL NUCLEAR PRODUCTION PLANT					8,194,624,406.52	3,130,178,362	5,267,743,519	276,930,302	3.38	19.0	
HYDRAULIC PRODUCTION PLANT											
331.00	STRUCTURES AND IMPROVEMENTS										
	COWANS FORD	06-2055	75-S2	*	(13)	16,850,391.37	8,950,038	10,090,904	298,875	1.77	33.8
	BAD CREEK	06-2058	75-S2	*	(6)	225,758,670.63	113,091,114	126,213,077	3,498,741	1.55	36.1
	JOCASSEE	06-2046	75-S2	*	(4)	23,043,363.49	14,049,391	9,915,707	373,191	1.62	26.6
	KEOWEE	06-2046	75-S2	*	(5)	7,982,906.63	2,100,057	6,281,995	217,511	2.72	28.9

Doss Exhibit 3

Docket No. 2018-319-E
DUKE ENERGY CAROLINAS
SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK RESERVE AND CALCULATED
ANNUAL DEPRECIATION ACCRUAL RATES AS OF DECEMBER 31, 2016

ACCOUNT	PROBABLE RETIREMENT DATE	SURVIVOR CURVE	ORDERED RATES				FUTURE ACCRUALS	COMPOSITE REMAINING LIFE			
			NET SALVAGE PERCENT	ORIGINAL COST AS OF DECEMBER 31, 2016	BOOK RESERVE	CALCULATED ANNUAL ACCRUAL					
									Docket No	AMOUNT	RATE
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)=(8)/(5)	(10)=(7)/(8)		
FISHING CREEK	06-2055	75-S2	*	(16)	4,378,115.60	1,654,073	3,424,541	94,387	2.16	36.3	
CEDAR CREEK	06-2055	75-S2	*	(18)	3,147,915.69	1,261,571	2,452,970	67,864	2.16	36.1	
BRIDGEWATER	06-2055	75-S2	*	(4)	63,421,973.15	10,156,124	55,802,728	1,485,386	2.34	37.6	
GASTON SHOALS	06-2036	75-S2	*	(15)	1,132,359.52	440,945	861,268	44,426	3.92	19.4	
LOOKOUT SHOALS	06-2055	75-S2	*	(22)	2,484,257.09	1,204,070	1,826,724	51,396	2.07	35.5	
MOUNTAIN ISLAND	06-2055	75-S2	*	(23)	2,365,568.68	853,170	2,056,479	56,142	2.37	36.6	
99 ISLANDS	06-2036	75-S2	*	(18)	831,768.00	542,947	438,539	22,905	2.75	19.1	
OXFORD	06-2055	75-S2	*	(10)	4,011,804.35	1,630,555	2,782,430	77,575	1.93	35.9	
RHODHISS	06-2055	75-S2	*	(15)	3,998,195.27	1,558,657	3,039,268	83,874	2.10	36.2	
TUXEDO	06-2041	75-S2	*	(17)	842,257.72	175,755	809,687	33,268	3.95	24.3	
WATEREE	06-2055	75-S2	*	(16)	8,875,137.35	3,996,804	6,298,355	177,449	2.00	35.5	
WYLIE	06-2055	75-S2	*	(16)	6,495,682.54	2,797,046	4,737,946	132,136	2.03	35.9	
GREAT FALLS	06-2055	75-S2	*	(97)	385,638.47	497,951	261,757	7,121	1.85	36.8	
ROCKY CREEK	06-2055	75-S2	*	(73)	1,924,692.13	1,096,746	2,232,971	60,441	3.14	36.9	
DEARBORN	06-2055	75-S2	*	(22)	2,137,143.23	1,100,275	1,507,040	42,775	2.00	35.2	
NPL BEAR CREEK	06-2041	75-S2	*	(29)	925,801.22	130,751	1,063,533	43,722	4.72	24.3	
NPL BRYSON	06-2041	75-S2	*	(27)	18,925.00	20,943	3,092	170	0.90	18.2	
NPL CEDAR CLIFF	06-2041	75-S2	*	(22)	1,403,122.85	220,628	1,491,182	61,214	4.36	24.4	
NPL FRANKLIN	06-2041	75-S2	*	(20)	952,630.89	129,024	1,014,133	41,555	4.36	24.4	
NPL MISSION	06-2041	75-S2	*	(31)	326,066.29	106,332	320,815	13,229	4.06	24.3	
NPL NANTAHALA	06-2042	75-S2	*	(13)	1,716,238.67	540,006	1,399,344	56,035	3.26	25.0	
NPL QUEENS CREEK	06-2032	75-S2	*	(73)	112,213.15	54,911	139,218	9,009	8.03	15.5	
NPL TENNESSEE CREEK	06-2041	75-S2	*	(18)	285,705.74	145,221	191,912	8,116	2.84	23.6	
NPL THORPE	06-2041	75-S2	*	(19)	2,855,344.10	1,043,969	2,353,890	97,904	3.43	24.0	
NPL TUCKASEGEE	06-2041	75-S2	*	(31)	2,378,244.94	464,027	2,651,474	108,796	4.57	24.4	
SHARED DEPARTMENT PLANT	06-2042	75-S2	*	(20)	27,830.67	10,647	22,750	902	3.24	25.2	
TOTAL STRUCTURES AND IMPROVEMENTS					391,069,964.43	170,023,748	251,685,729	7,266,115	1.86	34.6	
RESERVOIRS, DAMS AND WATERWAY											
COWANS FORD	06-2055	100-S2.5	*	(13)	29,757,683.50	16,740,545	16,885,637	457,899	1.54	36.9	
BAD CREEK	06-2058	100-S2.5	*	(6)	455,096,272.10	240,890,643	241,511,405	6,037,954	1.33	40.0	
JOCASSEE	06-2046	100-S2.5	*	(4)	49,686,448.00	40,058,158	11,615,748	417,908	0.84	27.8	
KEOWEE	06-2046	100-S2.5	*	(5)	17,479,476.95	14,284,813	4,068,638	146,722	0.84	27.7	
FISHING CREEK	06-2055	100-S2.5	*	(16)	15,264,850.00	7,232,672	10,474,554	275,598	1.81	38.0	
CEDAR CREEK	06-2055	100-S2.5	*	(18)	6,847,121.98	2,565,760	5,513,844	144,654	2.11	38.1	
BRIDGEWATER	06-2055	100-S2.5	*	(4)	105,399,462.60	26,880,191	82,735,250	2,161,669	2.05	38.3	
GASTON SHOALS	06-2036	100-S2.5	*	(15)	5,948,224.00	4,009,863	2,830,595	145,369	2.44	19.5	
LOOKOUT SHOALS	06-2055	100-S2.5	*	(22)	5,422,567.00	3,660,565	2,954,967	78,225	1.44	37.8	
MOUNTAIN ISLAND	06-2055	100-S2.5	*	(23)	5,531,690.00	4,512,475	2,291,504	60,465	1.09	37.9	
99 ISLANDS	06-2036	100-S2.5	*	(18)	11,674,213.97	7,639,036	6,136,536	315,142	2.70	19.5	
OXFORD	06-2055	100-S2.5	*	(10)	21,535,435.26	9,087,004	14,601,975	384,117	1.78	38.0	
RHODHISS	06-2055	100-S2.5	*	(15)	7,546,536.90	3,998,521	4,679,996	123,412	1.64	37.9	
TUXEDO	06-2041	100-S2.5	*	(17)	6,430,173.86	4,615,242	2,908,061	119,799	1.86	24.3	
WATEREE	06-2055	100-S2.5	*	(16)	13,627,132.75	8,306,237	7,501,237	198,502	1.46	37.8	
WYLIE	06-2055	100-S2.5	*	(16)	16,576,694.10	8,717,214	10,511,751	276,786	1.67	38.0	
GREAT FALLS	06-2055	100-S2.5	*	(97)	3,039,010.00	4,011,013	1,975,837	52,984	1.74	37.3	
ROCKY CREEK	06-2055	100-S2.5	*	(73)	6,055,126.00	4,574,120	5,901,248	155,236	2.56	38.0	
DEARBORN	06-2055	100-S2.5	*	(22)	1,506,205.65	973,749	863,822	22,775	1.51	37.9	
NPL BEAR CREEK	06-2041	100-S2.5	*	(29)	2,511,082.00	2,884,604	354,692	15,368	0.61	23.1	
NPL BRYSON	06-2041	100-S2.5	*	(27)	2,818,890.79	353,883	3,226,108	131,754	4.67	24.5	
NPL CEDAR CLIFF	06-2041	100-S2.5	*	(22)	2,112,155.00	2,010,845	565,984	23,618	1.12	24.0	
NPL FRANKLIN	06-2041	100-S2.5	*	(20)	5,557,997.19	619,962	6,049,635	247,031	4.44	24.5	
NPL MISSION	06-2041	100-S2.5	*	(31)	1,812,498.71	1,065,635	1,308,738	53,590	2.96	24.4	

Doss Exhibit 3

Docket No. 2018-319-E
DUKE ENERGY CAROLINAS
SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK RESERVE AND CALCULATED
ANNUAL DEPRECIATION ACCRUAL RATES AS OF DECEMBER 31, 2016

ORDERED RATES											
		Docket No									
ACCOUNT		PROBABLE RETIREMENT DATE	SURVIVOR CURVE	NET SALVAGE PERCENT	ORIGINAL COST AS OF DECEMBER 31, 2016	BOOK RESERVE	FUTURE ACCRUALS	CALCULATED ANNUAL ACCRUAL		COMPOSITE REMAINING LIFE	
(1)		(2)	(3)	(4)	(5)	(6)	(7)	AMOUNT (8)	RATE (9)=(8)/(5)	(10)=(7)/(8)	
NPL NANTAHALA		06-2042	100-S2.5	*	(13)	10,828,824.15	10,272,283	1,964,288	78,775	0.73	24.9
NPL QUEENS CREEK		06-2032	100-S2.5	*	(73)	757,714.33	760,393	550,453	35,516	4.69	15.5
NPL TENNESSEE CREEK		06-2041	100-S2.5	*	(18)	4,890,494.24	4,160,792	1,609,991	67,010	1.37	24.0
NPL THORPE		06-2041	100-S2.5	*	(19)	4,897,153.00	5,793,497	34,115	1,616	0.03	21.1
NPL TUCKASEGEE		06-2041	100-S2.5	*	(31)	637,985.00	801,279	34,481	1,617	0.25	21.3
SHARED DEPARTMENT PLANT		06-2042	100-S2.5	*	(20)	324,568.00	211,428	178,054	7,027	2.17	25.3
TOTAL RESERVOIRS, DAMS AND WATERWAY					821,573,687.03	441,692,422	451,839,144	12,238,138	1.49	36.9	
333.00	WATER WHEELS, TURBINES AND GENERATORS										
	COWANS FORD	06-2055	70-S1	*	(13)	34,448,444.25	14,384,418	24,542,324	728,508	2.11	33.7
	BAD CREEK	06-2058	70-S1	*	(6)	235,035,790.34	116,655,281	132,482,657	3,897,962	1.66	34.0
	JOCASSEE	06-2046	70-S1	*	(4)	69,365,383.95	26,740,256	45,399,743	1,648,888	2.38	27.5
	KEOWEE	06-2046	70-S1	*	(5)	70,191,620.51	16,284,258	57,416,944	2,030,195	2.89	28.3
	FISHING CREEK	06-2055	70-S1	*	(16)	22,070,843.55	9,976,603	15,625,576	463,546	2.10	33.7
	CEDAR CREEK	06-2055	70-S1	*	(18)	12,198,826.00	5,569,072	8,825,543	260,993	2.14	33.8
	BRIDGEWATER	06-2055	70-S1	*	(4)	20,785,585.57	3,330,175	18,286,834	506,699	2.44	36.1
	GASTON SHOALS	06-2036	70-S1	*	(15)	9,907,315.23	2,236,378	9,157,035	476,597	4.81	19.2
	LOOKOUT SHOALS	06-2055	70-S1	*	(22)	10,610,394.40	4,504,382	8,440,299	246,735	2.33	34.2
	MOUNTAIN ISLAND	06-2055	70-S1	*	(23)	16,299,784.94	6,261,132	13,787,603	396,842	2.43	34.7
	99 ISLANDS	06-2036	70-S1	*	(18)	10,666,437.16	5,034,182	7,552,214	397,441	3.73	19.0
	OXFORD	06-2055	70-S1	*	(10)	15,171,287.49	4,546,815	12,141,601	346,646	2.28	35.0
	RHODHISS	06-2055	70-S1	*	(15)	16,361,850.27	3,829,434	14,986,694	420,219	2.57	35.7
	TUXEDO	06-2041	70-S1	*	(17)	1,923,999.40	533,367	1,717,712	72,012	3.74	23.9
	WATEREE	06-2055	70-S1	*	(16)	21,686,509.93	10,092,438	15,063,914	447,871	2.07	33.6
	WYLIE	06-2055	70-S1	*	(16)	17,423,335.35	8,463,797	11,747,272	352,281	2.02	33.3
	GREAT FALLS	06-2055	70-S1	*	(97)	5,339,349.83	4,996,307	5,522,212	167,567	3.14	33.0
	ROCKY CREEK	06-2055	70-S1	*	(73)	2,086,940.28	2,527,860	1,082,547	32,953	1.58	32.9
	DEARBORN	06-2055	70-S1	*	(22)	11,865,475.07	5,364,441	9,111,439	268,526	2.26	33.9
	NPL BEAR CREEK	06-2041	70-S1	*	(29)	287,767.00	286,629	84,590	4,211	1.46	20.1
	NPL BRYSON	06-2041	70-S1	*	(27)	3,331,409.27	325,051	3,905,839	162,025	4.86	24.1
	NPL CEDAR CLIFF	06-2041	70-S1	*	(22)	3,369,069.07	748,755	3,361,509	140,433	4.17	23.9
	NPL FRANKLIN	06-2041	70-S1	*	(20)	1,355,502.57	351,190	1,275,413	53,403	3.94	23.9
	NPL MISSION	06-2041	70-S1	*	(31)	5,771,292.40	864,749	6,695,644	278,357	4.82	24.1
	NPL NANTAHALA	06-2042	70-S1	*	(13)	3,780,430.85	1,831,086	2,440,801	101,452	2.68	24.1
	NPL QUEENS CREEK	06-2032	70-S1	*	(73)	38,141.00	60,816	5,168	392	1.03	13.2
	NPL TENNESSEE CREEK	06-2041	70-S1	*	(18)	2,167,432.77	510,892	2,046,679	85,738	3.96	23.9
	NPL THORPE	06-2041	70-S1	*	(19)	819,569.53	495,211	480,077	21,016	2.56	22.8
	NPL TUCKASEGEE	06-2041	70-S1	*	(31)	137,454.00	151,539	28,526	1,561	1.14	18.3
	SHARED DEPARTMENT PLANT	06-2042	70-S1	*	(25)	836.52	313	733	30	3.59	24.4
TOTAL WATER WHEELS, TURBINES AND GENERATORS					624,498,078.50	256,956,827	433,215,142	14,011,099	2.24	30.9	
334.00	ACCESSORY ELECTRIC EQUIPMENT										
	COWANS FORD	06-2055	65-S1	*	(13)	5,998,605.90	1,950,066	4,828,359	145,625	2.43	33.2
	BAD CREEK	06-2058	65-S1	*	(6)	57,388,546.54	24,893,386	35,938,473	1,093,423	1.91	32.9
	JOCASSEE	06-2046	65-S1	*	(4)	10,272,029.04	5,178,393	5,504,517	218,419	2.13	25.2
	KEOWEE	06-2046	65-S1	*	(5)	18,722,368.83	7,101,536	12,556,951	466,615	2.49	26.9
	FISHING CREEK	06-2055	65-S1	*	(16)	4,802,247.30	1,881,362	3,689,245	112,253	2.34	32.9
	CEDAR CREEK	06-2055	65-S1	*	(18)	3,555,634.35	1,260,695	2,934,954	87,506	2.46	33.5
	BRIDGEWATER	06-2055	65-S1	*	(4)	7,383,449.70	1,045,483	6,633,305	186,202	2.52	35.6
	GASTON SHOALS	06-2036	65-S1	*	(15)	2,076,801.79	1,158,140	1,230,182	66,917	3.22	18.4
	LOOKOUT SHOALS	06-2055	65-S1	*	(22)	2,113,368.46	940,163	1,638,147	50,697	2.40	32.3
	MOUNTAIN ISLAND	06-2055	65-S1	*	(23)	2,644,466.09	915,945	2,336,748	69,471	2.63	33.6

Doss Exhibit 3

Docket No. 2018-319-E
DUKE ENERGY CAROLINAS
SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK RESERVE AND CALCULATED
ANNUAL DEPRECIATION ACCRUAL RATES AS OF DECEMBER 31, 2016

ACCOUNT		PROBABLE RETIREMENT DATE		SURVIVOR CURVE		Docket No NET SALVAGE PERCENT		ORIGINAL COST AS OF DECEMBER 31, 2016		BOOK RESERVE		FUTURE ACCRUALS		CALCULATED ANNUAL ACCRUAL		COMPOSITE REMAINING LIFE	
														AMOUNT	RATE		
														(8)	(9)=(8)/(5)		
(1)		(2)		(3)		(4)		(5)		(6)		(7)				(10)=(7)/(8)	
99 ISLANDS		06-2036		65-S1	*	(18)		522,075.78		227,235		388,814		20,908	4.00	18.6	
OXFORD		06-2055		65-S1	*	(10)		3,409,467.99		1,390,100		2,360,315		72,947	2.14	32.4	
RHODHISS		06-2055		65-S1	*	(15)		2,251,110.45		875,009		1,713,768		52,189	2.32	32.8	
TUXEDO		06-2041		65-S1	*	(17)		1,081,871.66		331,367		934,423		39,967	3.69	23.4	
WATEREE		06-2055		65-S1	*	(16)		4,590,248.93		1,851,210		3,473,479		106,052	2.31	32.8	
WYLIE		06-2055		65-S1	*	(16)		3,907,627.94		1,445,833		3,087,015		93,483	2.39	33.0	
GREAT FALLS		06-2055		65-S1	*	(97)		853,483.13		833,903		847,459		29,184	3.42	29.0	
ROCKY CREEK		06-2055		65-S1	*	(73)		2,172,509.07		1,554,857		2,203,584		70,284	3.24	31.4	
DEARBORN		06-2055		65-S1	*	(22)		3,821,458.22		1,553,904		3,108,275		94,311	2.47	33.0	
NPL BEAR CREEK		06-2041		65-S1	*	(29)		122,271.30		81,728		76,002		3,535	2.89	21.5	
NPL BRYSON		06-2041		65-S1	*	(27)		14,607.86		8,773		9,779		457	3.13	21.4	
NPL CEDAR CLIFF		06-2041		65-S1	*	(22)		107,840.70		58,841		72,725		3,282	3.04	22.2	
NPL FRANKLIN		06-2041		65-S1	*	(20)		119,785.05		41,297		102,445		4,420	3.69	23.2	
NPL MISSION		06-2041		65-S1	*	(31)		50,985.00		32,891		33,899		1,561	3.06	21.7	
NPL NANTAHALA		06-2042		65-S1	*	(13)		1,593,051.14		666,721		1,133,427		47,677	2.99	23.8	
NPL QUEENS CREEK		06-2032		65-S1	*	(73)		183,285.31		181,133		135,951		9,208	5.02	14.8	
NPL TENNESSEE CREEK		06-2041		65-S1	*	(18)		194,203.25		106,255		122,905		5,559	2.86	22.1	
NPL THORPE		06-2041		65-S1	*	(19)		1,870,256.46		994,721		1,230,884		54,795	2.93	22.5	
NPL TUCKASEGEE		06-2041		65-S1	*	(31)		243,404.23		150,605		168,255		7,546	3.10	22.3	
TOTAL ACCESSORY ELECTRIC EQUIPMENT								142,067,061.47		58,711,552		98,494,285		3,214,493	2.26	30.6	
335.00	MISCELLANEOUS PLANT EQUIPMENT																
	COWANS FORD	06-2055		55-R2	*	(13)		1,439,434.54		430,707		1,195,854		36,801	2.56	32.5	
	BAD CREEK	06-2058		55-R2	*	(6)		27,697,430.88		11,145,072		18,214,205		578,904	2.09	31.5	
	JOCASSEE	06-2046		55-R2	*	(4)		3,266,538.24		1,234,909		2,162,291		85,877	2.63	25.2	
	KEOWEE	06-2046		55-R2	*	(5)		854,395.51		449,219		447,896		19,072	2.23	23.5	
	FISHING CREEK	06-2055		55-R2	*	(16)		304,623.02		86,398		266,965		8,122	2.67	32.9	
	CEDAR CREEK	06-2055		55-R2	*	(18)		368,781.60		84,188		350,974		10,442	2.83	33.6	
	BRIDGEWATER	06-2055		55-R2	*	(4)		7,310,550.04		1,006,250		6,596,722		190,065	2.60	34.7	
	GASTON SHOALS	06-2036		55-R2	*	(15)		651,166.80		185,722		563,120		29,982	4.60	18.8	
	LOOKOUT SHOALS	06-2055		55-R2	*	(22)		362,836.74		138,424		304,237		9,579	2.64	31.8	
	MOUNTAIN ISLAND	06-2055		55-R2	*	(23)		475,692.31		152,539		432,563		13,292	2.79	32.5	
	99 ISLANDS	06-2036		55-R2	*	(18)		327,091.09		152,114		233,853		12,676	3.88	18.4	
	OXFORD	06-2055		55-R2	*	(10)		484,701.81		140,985		392,187		12,020	2.48	32.6	
	RHODHISS	06-2055		55-R2	*	(15)		488,516.78		150,017		411,777		12,670	2.59	32.5	
	TUXEDO	06-2041		55-R2	*	(17)		201,936.53		86,322		149,944		6,673	3.30	22.5	
	WATEREE	06-2055		55-R2	*	(16)		369,322.02		119,834		308,580		9,494	2.57	32.5	
	WYLIE	06-2055		55-R2	*	(16)		430,668.79		128,852		370,724		11,316	2.63	32.8	
	GREAT FALLS	06-2055		55-R2	*	(97)		510,586.64		301,353		704,503		22,115	4.33	31.9	
	ROCKY CREEK	06-2055		55-R2	*	(73)		231,689.26		112,266		288,556		8,888	3.84	32.5	
	DEARBORN	06-2055		55-R2	*	(22)		221,433.23		93,974		176,175		5,679	2.56	31.0	
	NPL BEAR CREEK	06-2041		55-R2	*	(29)		130,122.06		57,989		109,868		4,951	3.80	22.2	
	NPL BRYSON	06-2041		55-R2	*	(27)		99,829.98		22,167		104,617		4,496	4.50	23.3	
	NPL CEDAR CLIFF	06-2041		55-R2	*	(22)		97,767.93		41,611		77,666		3,513	3.59	22.1	
	NPL FRANKLIN	06-2041		55-R2	*	(20)		111,948.80		33,044		101,295		4,394	3.93	23.1	
	NPL MISSION	06-2041		55-R2	*	(31)		57,008.09		12,431		62,250		2,688	4.72	23.2	
	NPL NANTAHALA	06-2042		55-R2	*	(13)		921,076.93		279,457		761,360		32,318	3.51	23.6	
	NPL QUEENS CREEK	06-2032		55-R2	*	(73)		201,666.98		170,907		177,977		11,968	5.93	14.9	
	NPL TENNESSEE CREEK	06-2041		55-R2	*	(18)		201,180.86		65,136		172,257		7,581	3.77	22.7	
	NPL THORPE	06-2041		55-R2	*	(19)		558,524.40		140,466		524,178		22,916	4.10	22.9	
	NPL TUCKASEGEE	06-2041		55-R2	*	(31)		67,413.59		28,999		59,313		2,667	3.96	22.2	
	SHARED DEPARTMENT PLANT	06-2042		55-R2	*	(5)		792,881.68		283,189		549,337		23,390	2.95	23.5	

Doss Exhibit 3

Docket No. 2018-319-E
DUKE ENERGY CAROLINAS
SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK RESERVE AND CALCULATED
ANNUAL DEPRECIATION ACCRUAL RATES AS OF DECEMBER 31, 2016

				Docket No									
				NET		ORIGINAL COST		BOOK		FUTURE		CALCULATED	
				SALVAGE		AS OF		RESERVE		ACCRUALS		ANNUAL ACCRUAL	
				PERCENT		DECEMBER 31, 2016						AMOUNT	
												RATE	
												(9)=(8)/(5)	
												(10)=(7)/(8)	
ACCOUNT	PROBABLE	SURVIVOR											
(1)	RETIREMENT	CURVE											
	DATE												
	(2)	(3)		(4)	(5)	(6)	(7)	(8)	(9)	(10)			
TOTAL MISCELLANEOUS PLANT EQUIPMENT					49,236,817.13	17,334,541	36,271,244	1,204,549	2.45	30.1			
336.00	ROADS, RAILROADS, AND BRIDGES												
	COWANS FORD	06-2055	75-R4	*	(13)	2,240,415.70	629,389	1,902,281	51,608	2.30	36.9		
	BAD CREEK	06-2058	75-R4	*	(6)	17,869,699.00	8,523,559	10,418,322	271,240	1.52	38.4		
	JOCASSEE	06-2046	75-R4	*	(4)	415,508.00	304,782	127,346	4,986	1.20	25.5		
	DEARBORN	06-2055	75-R4	*	(22)	633,636.00	387,692	385,344	10,858	1.71	35.5		
	NPL BEAR CREEK	06-2041	75-R4	*	(29)	52,776.00	59,685	8,396	506	0.96	16.6		
	NPL CEDAR CLIFF	06-2041	75-R4	*	(22)	129,738.00	97,565	60,715	2,601	2.00	23.3		
	NPL NANTAHALA	06-2042	75-R4	*	(13)	239,971.28	190,174	80,994	3,480	1.45	23.3		
	NPL QUEENS CREEK	06-2032	75-R4	*	(73)	2,830.00	4,659	237	21	0.74	11.3		
	NPL TENNESSEE CREEK	06-2041	75-R4	*	(18)	72,590.00	74,542	11,114	655	0.90	17.0		
	NPL THORPE	06-2041	75-R4	*	(19)	46,024.00	43,101	11,668	532	1.16	21.9		
	NPL TUCKASEGEE	06-2041	75-R4	*	(31)	8,678.00	10,325	1,043	71	0.82	14.7		
	SHARED DEPARTMENT PLANT	06-2042	75-R4	*	0	84,399.00	84,399	0	0	-	-		
	TOTAL ROADS, RAILROADS, AND BRIDGES					21,796,264.98	10,409,872	13,007,460	346,558	1.59	37.5		
	TOTAL HYDRAULIC PRODUCTION PLANT					2,050,241,873.54	955,128,962	1,284,513,004	38,280,952	1.87	33.6		
	OTHER PRODUCTION PLANT												
341.00	STRUCTURES AND IMPROVEMENTS												
	LINCOLN	06-2035	50-S2	*	(2)	28,678,111.63	14,284,903	14,966,771	890,704	3.11	16.8		
	DAN RIVER COMBINED CYCLE	06-2052	50-S2	*	(3)	143,549,391.77	15,979,346	131,876,528	4,009,879	2.79	32.9		
	LEE	06-2047	50-S2	*	(3)	341,025.75	49,165	302,092	10,445	3.06	28.9		
	MILL CREEK	06-2043	50-S2	*	(2)	29,585,713.83	10,142,919	20,034,509	835,989	2.83	24.0		
	ROCKINGHAM	06-2040	50-S2	*	(1)	3,562,818.16	400,039	3,198,407	139,045	3.90	23.0		
	BUCK COMBINED CYCLE	06-2051	50-S2	*	(3)	132,978,275.76	17,782,405	119,185,219	3,718,987	2.80	32.0		
	TOTAL STRUCTURES AND IMPROVEMENTS					338,695,336.90	58,638,777	289,563,526	9,605,049	2.84	30.1		
342.00	FUEL HOLDERS, PRODUCERS AND ACCESSORIES												
	LINCOLN	06-2035	50-R2.5	*	(2)	12,584,656.00	9,757,658	3,078,691	181,521	1.44	17.0		
	DAN RIVER COMBINED CYCLE	06-2052	50-R2.5	*	(3)	20,380,600.44	3,331,566	17,660,452	540,168	2.65	32.7		
	MILL CREEK	06-2043	50-R2.5	*	(2)	15,023,231.00	7,645,868	7,677,828	317,972	2.12	24.1		
	ROCKINGHAM	06-2040	50-R2.5	*	(1)	52,692.64	16,296	36,924	1,641	3.11	22.5		
	BUCK COMBINED CYCLE	06-2051	50-R2.5	*	(3)	30,152,046.37	5,855,466	25,201,142	793,038	2.63	31.8		
	TOTAL FUEL HOLDERS, PRODUCERS AND ACCESSORIES					78,193,226.45	26,606,854	53,655,037	1,834,340	2.35	29.3		
342.02	FUEL HOLDERS, PRODUCERS AND ACCESSORIES - CAPITAL LEASE												
	DAN RIVER COMBINED CYCLE	06-2052	50-R2.5	*	0	7,908,779.66	1,413,694	6,495,086	198,809	2.51	32.7		
	BUCK COMBINED CYCLE	06-2051	50-R2.5	*	0	31,886,250.30	6,961,673	24,924,577	785,769	2.46	31.7		
	TOTAL FUEL HOLDERS, PRODUCERS AND ACCESSORIES - CAPITAL LEASE					39,795,029.96	8,375,367	31,419,663	984,578	2.47	31.9		
343.00	PRIME MOVERS												
	LINCOLN	06-2035	40-R2	*	(2)	253,553,178.44	167,709,474	90,914,768	5,661,375	2.23	16.1		
	DAN RIVER COMBINED CYCLE	06-2052	40-R2	*	(3)	150,598,210.95	25,718,141	129,398,016	4,328,990	2.87	29.9		
	LEE	06-2047	40-R2	*	(3)	57,404,920.13	18,643,580	40,483,488	1,578,849	2.75	25.6		
	MILL CREEK	06-2043	40-R2	*	(2)	184,486,920.46	88,625,478	99,551,181	4,533,755	2.46	22.0		
	ROCKINGHAM	06-2040	40-R2	*	(1)	74,214,861.00	14,589,559	60,367,451	2,772,889	3.74	21.8		
	BUCK COMBINED CYCLE	06-2051	40-R2	*	(3)	148,480,599.05	29,028,725	123,906,292	4,263,804	2.87	29.1		

Doss Exhibit 3

Docket No. 2018-319-E
DUKE ENERGY CAROLINAS
SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK RESERVE AND CALCULATED
ANNUAL DEPRECIATION ACCRUAL RATES AS OF DECEMBER 31, 2016

ACCOUNT (1)		PROBABLE RETIREMENT DATE (2)	SURVIVOR CURVE (3)	Docket No NET SALVAGE PERCENT (4)		ORIGINAL COST AS OF DECEMBER 31, 2016 (5)	BOOK RESERVE (6)	FUTURE ACCRUALS (7)	CALCULATED ANNUAL ACCRUAL AMOUNT RATE (8) (9)=(8)/(5)		COMPOSITE REMAINING LIFE (10)=(7)/(8)
	TOTAL PRIME MOVERS					868,738,690.03	344,314,957	544,621,196	23,139,662	2.66	23.5
343.10	PRIME MOVERS - ROTABLE PARTS										
	DAN RIVER COMBINED CYCLE	06-2052	5-R5	*	40	36,034,351.00	8,522,899	13,097,712	3,742,203	10.39	3.5
	BUCK COMBINED CYCLE	06-2051	5-R5	*	40	33,675,913.00	13,275,131	6,930,417	2,772,167	8.23	2.5
	TOTAL PRIME MOVERS - ROTABLE PARTS					69,710,264.00	21,798,030	20,028,129	6,514,370	9.34	3.1
344.00	GENERATORS										
	LINCOLN	06-2035	50-R2	*	(2)	78,111,244.42	46,324,646	33,348,823	1,978,646	2.53	16.9
	DAN RIVER COMBINED CYCLE	06-2052	50-R2	*	(3)	238,309,006.29	31,308,159	214,150,117	6,689,934	2.81	32.0
	MILL CREEK	06-2043	50-R2	*	(2)	985,995.13	141,413	864,302	34,661	3.52	24.9
	EQUITABLE DIESEL GENERATORS	06-2028	50-R2	*	(5)	14,519,821.74	5,057,156	10,188,657	903,945	6.23	11.3
	ROCKINGHAM	06-2040	50-R2	*	(1)	215,982,800.24	98,462,279	119,680,349	5,634,279	2.61	21.2
	BUCK COMBINED CYCLE	06-2051	50-R2	*	(3)	231,046,953.88	36,992,501	200,985,861	6,462,476	2.80	31.1
	TOTAL GENERATORS					778,955,821.70	218,286,154	579,218,109	21,703,941	2.79	26.7
344.66	GENERATORS - SOLAR										
	GENERAL		20-S2.5		0	28,317,018.38	7,232,757	21,084,261	1,529,065	5.40	13.8
	MOCKSVILLE	06-2041	25-S2.5	*	(10)	27,880,372.65	568,875	30,099,535	1,388,355	4.98	21.7
	TOTAL GENERATORS - SOLAR					56,197,391.03	7,801,632	51,183,796	2,917,420	5.19	17.5
345.00	ACCESSORY ELECTRIC EQUIPMENT										
	LINCOLN	06-2035	35-S0.5	*	(2)	26,594,211.16	16,919,300	10,206,795	694,575	2.61	14.7
	DAN RIVER COMBINED CYCLE	06-2052	35-S0.5	*	(3)	47,339,364.81	8,093,899	40,665,647	1,517,286	3.21	26.8
	LEE	06-2047	35-S0.5	*	(3)	1,035,452.25	96,613	969,903	38,128	3.68	25.4
	MILL CREEK	06-2043	35-S0.5	*	(2)	16,347,684.09	7,275,561	9,399,077	472,814	2.89	19.9
	ROCKINGHAM	06-2040	35-S0.5	*	(1)	1,746,303.09	561,827	1,201,939	60,994	3.49	19.7
	BUCK COMBINED CYCLE	06-2051	35-S0.5	*	(3)	48,043,541.03	9,951,911	39,532,936	1,524,746	3.17	25.9
	TOTAL ACCESSORY ELECTRIC EQUIPMENT					141,106,556.43	42,899,111	101,976,297	4,308,543	3.05	23.7
345.66	ACCESSORY ELECTRIC EQUIPMENT - SOLAR										
	GENERAL		20-S2.5		0	988,895.09	87,099	901,796	58,490	5.91	15.4
	MOCKSVILLE	06-2041	25-S2.5	*	(10)	2,151,857.75	20,529	2,346,515	108,234	5.03	21.7
	TOTAL ACCESSORY ELECTRIC EQUIPMENT - SOLAR					3,140,752.84	107,628	3,248,311	166,724	5.31	19.5
346.00	MISCELLANEOUS PLANT EQUIPMENT										
	LINCOLN	06-2035	40-S2	*	(2)	3,451,218.89	1,477,254	2,042,989	122,985	3.56	16.6
	DAN RIVER COMBINED CYCLE	06-2052	40-S2	*	(3)	8,330,763.48	900,315	7,680,371	248,334	2.98	30.9
	LEE	06-2047	40-S2	*	(3)	375,856.27	24,443	362,689	12,767	3.40	28.4
	MILL CREEK	06-2043	40-S2	*	(2)	3,428,570.94	1,121,087	2,376,055	104,506	3.05	22.7
	ROCKINGHAM	06-2040	40-S2	*	(1)	1,293,193.82	222,310	1,083,816	48,532	3.75	22.3
	BUCK COMBINED CYCLE	06-2051	40-S2	*	(3)	10,994,637.18	1,459,595	9,864,881	328,545	2.99	30.0
	SHARED DEPARTMENT PLANT	06-2052	40-S2	*	(5)	79,121.31	3,658	79,419	2,495	3.15	31.8
	TOTAL MISCELLANEOUS PLANT EQUIPMENT					27,953,361.89	5,208,662	23,490,220	868,164	3.11	27.1
	TOTAL OTHER PRODUCTION PLANT					2,402,486,431.23	734,037,172	1,698,404,284	72,042,791	3.00	23.6
	TOTAL PRODUCTION					20,166,087,087.99	7,950,030,325	13,081,359,868	642,751,964	3.19	

Doss Exhibit 3

Docket No. 2018-319-E
DUKE ENERGY CAROLINAS
SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK RESERVE AND CALCULATED
ANNUAL DEPRECIATION ACCRUAL RATES AS OF DECEMBER 31, 2016

ACCOUNT		PROBABLE RETIREMENT DATE	SURVIVOR CURVE	Docket No NET SALVAGE		ORIGINAL COST AS OF DECEMBER 31, 2016	BOOK RESERVE	FUTURE ACCRUALS	CALCULATED ANNUAL ACCRUAL		COMPOSITE REMAINING LIFE
				PERCENT					AMOUNT	RATE	
(1)		(2)	(3)	(4)		(5)	(6)	(7)	(8)	(9)=(8)/(5)	(10)=(7)/(8)
TRANSMISSION PLANT											
352.00	STRUCTURES AND IMPROVEMENTS		60-R3	(20)		83,331,299.11	21,239,919	78,757,640	1,626,556	1.95	48.4
353.00	STATION EQUIPMENT		52-R1.5	(25)		1,550,666,028.66	596,909,310	1,341,423,226	32,923,042	2.12	40.7
354.00	TOWERS AND FIXTURES		70-R2	(40)		597,546,563.44	290,044,203	546,520,986	10,108,589	1.69	54.1
355.00	POLES AND FIXTURES		50-R1.5	(25)		408,716,449.57	121,255,376	389,640,186	9,309,403	2.28	41.9
356.00	OVERHEAD CONDUCTORS AND DEVICES		60-R2	(40)		733,149,951.02	319,466,794	706,943,137	14,699,063	2.00	48.1
357.00	UNDERGROUND CONDUIT		55-S4	0		123,867.56	83,036	40,832	1,390	1.12	29.4
358.00	UNDERGROUND CONDUCTOR AND DEVICES		55-S3	0		4,755,419.04	1,934,796	2,820,623	66,303	1.39	42.5
359.00	ROADS AND TRAILS		65-R4	0		42,238.00	16,820	25,418	618	1.46	41.1
TOTAL TRANSMISSION PLANT						3,378,331,816.40	1,350,950,254	3,066,172,048	68,734,964	2.03	44.6
DISTRIBUTION PLANT											
361.00	STRUCTURES AND IMPROVEMENTS		60-R2.5	(20)		96,166,196.77	19,014,513	96,384,923	1,869,154	1.94	51.6
362.00	STATION EQUIPMENT		42-R1	(25)		1,264,827,709.22	502,654,438	1,078,380,199	32,772,467	2.59	32.9
364.00	POLES, TOWERS AND FIXTURES		49-R2	(25)		1,502,249,254.73	788,408,163	1,089,403,405	29,670,807	1.98	36.7
365.00	OVERHEAD CONDUCTORS AND DEVICES		49-R0.5	(20)		2,027,364,643.49	796,374,769	1,636,462,803	39,239,898	1.94	41.7
366.00	UNDERGROUND CONDUIT		55-R3	(15)		191,934,666.56	110,391,457	110,333,410	3,021,840	1.57	36.5
367.00	UNDERGROUND CONDUCTORS AND DEVICES		54-R3	(20)		1,841,522,453.80	739,625,752	1,470,201,193	36,761,501	2.00	40.0
368.00	LINE TRANSFORMERS		43-R1.5	0		1,358,448,610.94	592,541,725	765,906,886	23,991,753	1.77	31.9
369.00	SERVICES		50-R1.5	(10)		1,008,470,857.68	553,914,757	555,403,186	13,276,355	1.32	41.8
370.00	METERING EQUIPMENT		20-L0	0		91,083,759.34	47,082,604	44,001,155	4,831,751	5.30	9.1
370.01	METERS	12-2019	20-L0	0	*	201,182,329.41	42,885,803	158,296,526	10,553,102	5.25	15.0
370.02	METERS -UTILITY OF THE FUTURE		15-S2.5	0		171,782,962.21	12,355,518	159,427,444	12,356,163	7.19	12.9
371.00	INSTALLATIONS ON CUSTOMERS' PREMISES		40-R0.5	(5)		721,223,639.19	242,556,058	514,728,763	15,564,068	2.16	33.1
373.00	STREET LIGHTING AND SIGNAL SYSTEMS		35-R1	(10)		212,986,436.90	89,406,200	144,878,881	5,703,695	2.68	25.4
TOTAL DISTRIBUTION PLANT						10,689,243,520.24	4,537,211,757	7,823,808,774	229,612,554	2.15	34.1
GENERAL PLANT											
390.00	STRUCTURES AND IMPROVEMENTS		40-R2	(10)		501,477,987.85	136,754,675	414,871,112	16,146,872	3.22	25.7
391.00	OFFICE FURNITURE AND EQUIPMENT		15-SQ	0		33,317,797.02	13,731,178	19,586,619	2,221,007	6.67	8.8
391.10	OFFICE FURNITURE AND EQUIPMENT - EDP		8-SQ	0		77,543,416.64	38,199,670	39,343,747	9,696,221	12.50	4.1
392.00	TRANSPORTATION EQUIPMENT										
	PASSENGER CARS AND STATION WAGONS		5-S2.5	5		8,057.00	7,654	0	0	-	-
	LIGHT TRUCKS		6-L3	5		4,740,509.48	2,635,640	1,867,844	355,424	7.50	5.3
	MEDIUM TRUCKS		8-L2	5		46,231.38	43,920	0	0	-	-
	HEAVY TRUCKS		10-L2	5		794,287.06	587,220	167,353	78,762	9.92	2.1
	HEAVY TRUCKS / POWER EQUIPPED		10-L2	5		1,733,160.77	1,646,503	0	0	-	-
	TRACTORS		13-L3	5		65,897.00	37,622	24,980	6,844	10.39	3.6
	TRAILERS		17-L0.5	5		2,866,542.23	1,598,766	1,124,449	149,905	5.23	7.5
TOTAL TRANSPORTATION EQUIPMENT						10,254,684.92	6,557,325	3,184,626	590,935	5.76	5.4
393.00	STORES EQUIPMENT		20-SQ	0		12,954,181.45	3,331,975	9,622,206	648,019	5.00	14.8
394.00	TOOLS,SHOP AND GARAGE EQUIPMENT										
	FULLY ACCRUED					27,147.00	27,147	0	0	-	-
	AMORTIZED		20-SQ	0		72,755,518.69	26,794,790	45,960,729	3,637,740	5.00	12.6

Doss Exhibit 3

Docket No. 2018-319-E
DUKE ENERGY CAROLINAS
SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK RESERVE AND CALCULATED
ANNUAL DEPRECIATION ACCRUAL RATES AS OF DECEMBER 31, 2016

ORDERED RATES														
ACCOUNT (1)		PROBABLE RETIREMENT DATE (2)	SURVIVOR CURVE (3)	Docket No		ORIGINAL COST AS OF DECEMBER 31, 2016 (5)	BOOK RESERVE (6)	FUTURE ACCRUALS (7)	CALCULATED ANNUAL ACCRUAL		COMPOSITE REMAINING LIFE (10)=(7)/(8)			
				NET SALVAGE PERCENT (4)					AMOUNT	RATE				
									(8)	(9)=(8)/(5)				
	TOTAL TOOLS SHOP AND GARAGE EQUIPMENT					72,782,665.69	26,821,937	45,960,729	3,637,740	5.00	12.6			
395.00	LABORATORY EQUIPMENT		15-SQ		0	7,510,679.52	4,283,725	3,226,955	500,871	6.67	6.4			
396.00	POWER OPERATED EQUIPMENT													
	MOBILE CRANES		19-S1.5		0	329,750.00	257,176	72,574	10,368	3.14	7.0			
	MISCELLANEOUS NON-HIGHWAY EQUIPMENT		14-S1.5		0	2,104,934.00	1,518,281	586,653	99,823	4.74	5.9			
	MISCELLANEOUS EQUIPMENT		14-S1.5		0	11,728,175.56	3,471,854	8,256,322	766,605	6.54	10.8			
	TOTAL POWER OPERATED EQUIPMENT					14,162,859.56	5,247,311	8,915,549	876,796	6.19	10.2			
397.00	COMMUNICATION EQUIPMENT		10-SQ		0	135,681,865.95	69,306,675	66,375,191	13,573,470	10.00	4.9			
398.00	MISCELLANEOUS EQUIPMENT		20-SQ		0	3,803,638.22	1,518,150	2,285,488	190,181	5.00	12.0			
TOTAL GENERAL PLANT						869,489,776.82	305,752,621	613,372,222	48,082,112	5.53	12.8			
DEPRECIABLE LAND RIGHTS														
310.00	RIGHTS OF WAY													
	MARSHALL	06-2034	100-R4	*	0	452,636.00	456,679	(4,043)	0	-	-			
	BELEWS CREEK	06-2037	100-R4	*	0	1,543,811.00	1,543,811	0	0	-	-			
	LEE	06-2030	100-R4	*	0	3,106.00	3,106	0	0	-	-			
	ALLEN	06-2026	100-R4	*	0	4,303.00	4,303	0	0	-	-			
TOTAL ACCOUNT 310						2,003,856.00	2,007,899	(4,043)	0	-	-			
320.00	RIGHTS OF WAY													
	OCONEE	07-2034	100-R4	*	0	425,003.00	311,341	113,662	6,604	1.55	17.2			
	MCGUIRE	03-2043	100-R4	*	0	74,882.00	43,053	31,829	1,232	1.65	25.8			
	CATAWBA	12-2043	100-R4	*	0	456,656.68	231,449	225,208	8,427	1.85	26.7			
TOTAL ACCOUNT 320						956,541.68	585,843	370,699	16,263	1.70	22.8			
330.00	RIGHTS OF WAY													
	COWANS FORD	06-2055	110-R4	*	0	6,881,547.00	5,247,518	1,634,029	45,263	0.66	36.1			
	BAD CREEK	06-2058	110-R4	*	0	723,692.00	358,963	364,729	8,905	1.23	41.0			
	JOCASSEE	06-2046	110-R4	*	0	436,179.00	327,573	108,606	3,750	0.86	29.0			
	KEOWEE	06-2046	110-R4	*	0	12,071,075.00	9,559,627	2,511,448	87,355	0.72	28.7			
	FISHING CREEK	06-2055	110-R4	*	0	35,796.00	35,796	0	0	-	-			
	BRIDGEWATER	06-2055	110-R4	*	0	393,705.00	393,705	0	0	-	-			
	GASTON SHOALS	06-2036	110-R4	*	0	16,648.00	16,648	0	0	-	-			
	LOOKOUT SHOALS	06-2055	110-R4	*	0	7,426.00	7,426	0	0	-	-			
	MOUNTAIN ISLAND	06-2055	110-R4	*	0	323,913.00	323,913	0	0	-	-			
	99 ISLANDS	06-2036	110-R4	*	0	17,102.00	17,102	0	0	-	-			
	OXFORD	06-2055	110-R4	*	0	695,790.00	684,987	10,803	410	0.06	26.3			
	RHODISS	06-2055	110-R4	*	0	199,929.00	199,929	0	0	-	-			
	TUXEDO	06-2041	110-R4	*	0	245,404.00	245,404	0	0	-	-			
	WATEREE	06-2055	110-R4	*	0	204,111.00	204,111	0	0	-	-			
	WYLIE	06-2055	110-R4	*	0	1,189,441.24	1,189,441	0	0	-	-			
	NPL BEAR CREEK	06-2041	110-R4	*	0	435.00	435	0	0	-	-			
	NPL FRANKLIN	06-2041	110-R4	*	0	12,423.00	12,423	0	0	-	-			
	NPL NANTAHALA	06-2042	110-R4	*	0	80,304.00	80,304	0	0	-	-			
	NPL QUEENS CREEK	06-2032	110-R4	*	0	5,782.00	5,782	0	0	-	-			
	NPL TENNESSEE CREEK	06-2041	110-R4	*	0	711.00	711	0	0	-	-			

Doss Exhibit 3

Docket No. 2018-319-E
DUKE ENERGY CAROLINAS
SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK RESERVE AND CALCULATED
ANNUAL DEPRECIATION ACCRUAL RATES AS OF DECEMBER 31, 2016

ACCOUNT		PROBABLE RETIREMENT DATE	SURVIVOR CURVE	Docket No		ORIGINAL COST AS OF DECEMBER 31, 2016	BOOK RESERVE	FUTURE ACCRUALS	CALCULATED ANNUAL ACCRUAL		COMPOSITE REMAINING LIFE
				NET SALVAGE PERCENT	ORDERED RATES				AMOUNT	RATE	
(1)		(2)	(3)	(4)	(5)	(6)	(7)		(8)	(9)=(8)/(5)	(10)=(7)/(8)
	NPL THORPE	06-2041	110-R4	*	0	47,127.00	47,127	0	0	-	-
	NPL TUCKASEGEE	06-2041	110-R4	*	0	1,518.00	1,518	0	0	-	-
	TOTAL ACCOUNT 330					23,590,058.24	18,960,443	4,629,615	145,683	0.62	31.8
340.00	RIGHTS OF WAY DAN RIVER	06-2052	60-R4	*	0	7,693.00	4,126	3,567	342	4.45	10.4
	TOTAL ACCOUNT 330					7,693.00	4,126	3,567	342	4.45	10.4
350.00	RIGHTS OF WAY		75-R4		0	160,454,983.32	73,330,812	87,124,171	1,851,960	1.15	47.0
360.00	RIGHTS OF WAY		75-R3		0	8,815,258.47	1,335,182	7,480,076	121,031	1.37	61.8
360.20	LAND RIGHTS		75-R3		0	561,562.00	267,475	294,087	8,507	1.51	34.6
389.00	RIGHTS OF WAY		60-R3		0	550,127.02	213,616	336,511	8,306	1.51	40.5
389.20	LAND RIGHTS		60-R3		0	165.00	71	94	2	1.21	47.0
	TOTAL DEPRECIABLE LAND RIGHTS					196,940,244.73	96,705,467	100,234,777	2,152,094	1.09	46.6
	RESERVE ADJUSTMENT FOR AMORTIZATION										
391.00	OFFICE FURNITURE AND EQUIPMENT						2,428,895		(485,779)	**	
391.10	OFFICE FURNITURE AND EQUIPMENT - EDP						35,812,698		(7,162,540)	**	
393.00	STORES EQUIPMENT						839,112		(167,822)	**	
394.00	TOOLS,SHOP AND GARAGE EQUIPMENT						(3,957,775)		791,555	**	
395.00	LABORATORY EQUIPMENT						(301,363)		60,273	**	
397.00	COMMUNICATION EQUIPMENT						16,879,817		(3,375,963)	**	
398.00	MISCELLANEOUS EQUIPMENT						(905,200)		181,040	**	
	TOTAL RESERVE ADJUSTMENT FOR AMORTIZATION						50,796,184		(10,159,236)		
	RETIRED PRODUCTION PLANT RECOVERY										
	CLIFFSIDE 1-4 STEAM PRODUCTION										
315.00	ACCESSORY ELECTRIC EQUIPMENT	06-2012	60-S1	*	0	134,014.39	134,014	0	0	-	-
	TOTAL CLIFFSIDE 1-4 STEAM PRODUCTION					134,014.39	134,014	0	0	-	-
	RIVERBEND OTHER PRODUCTION										
342.00	FUEL HOLDERS, PRODUCERS AND ACCESSORIES	06-2012	50-R2.5	*	0	335,794.00	335,794	0	0	-	-
345.00	ACCESSORY ELECTRIC EQUIPMENT	06-2012	35-S0.5	*	0	24,459.00	24,459	0	0	-	-
	TOTAL RIVERBEND OTHER PRODUCTION					360,253.00	360,253	0	0	-	-
	TOTAL RETIRED PRODUCTION PLANT RECOVERY					494,267.39	494,267	0	0	-	-
	TOTAL DEPRECIABLE PLANT					35,300,586,713.57	14,291,940,875	24,684,947,689	981,174,452	2.78	25.2
	NONDEPRECIABLE PLANT										
302.00	FRANCHISES AND CONSENTS					6,409.00	56,796				
302.01	NPL FEASIBILITY					51,514.00					
303.00	MISCELLANEOUS INTANGIBLE PLANT					800,511,290.24	502,732,370				
303.02	NUCLEAR LICENSING					16,980,814.09					

Doss Exhibit 3

Docket No. 2018-319-E
DUKE ENERGY CAROLINAS
SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK RESERVE AND CALCULATED
ANNUAL DEPRECIATION ACCRUAL RATES AS OF DECEMBER 31, 2016
ORDERED RATES

ACCOUNT	PROBABLE RETIREMENT DATE	SURVIVOR CURVE	Docket No NET SALVAGE PERCENT	ORIGINAL COST AS OF DECEMBER 31, 2016	BOOK RESERVE	FUTURE ACCRUALS	CALCULATED ANNUAL ACCRUAL		COMPOSITE REMAINING LIFE
							AMOUNT	RATE	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)=(8)/(5)	(10)=(7)/(8)
310.00	LAND			26,959,801.57	(77,693)				
317.00	ARO			1,088,446,414.05	129,262,505				
320.00	LAND			1,902,884.62	(23,109)				
326.00	ARO			(607,602,837.83)	(40,443,256)				
330.00	LAND			28,744,239.94	17,851				
340.00	LAND			9,164,226.00					
343.66	PRIME MOVERS - Solar				140,430				
347.66	ARO - SOLAR			1,262,479.46	331,533				
350.00	LAND			29,910,071.44	(228,263)				
360.00	LAND			54,419,832.38	(1,146)				
389.00	LAND			33,852,038.50	(1,561)				
399.00	ARO			(931,335.11)	206,700				
TOTAL NONDEPRECIABLE PLANT				1,483,677,842.35	591,973,157				
TOTAL ELECTRIC PLANT				36,784,264,555.92	14,883,914,032	24,684,947,689	981,174,452		

* Curve shown is interim survivor curve. Each facility in the account is assigned an individual probable retirement year.
** 5 year Amortization of Adjusted Reserve related to implementation of Amortization Accounting.

Rates for new Lee Combined Cycle Plant will be as follows:		Account	Rate
		341.00	2.75
		342.00	2.79
		342.02	2.71
		343.00	3.03
		343.10	12.00
		344.00	2.85
		345.00	3.33
		346.00	2.95



Decommissioning Cost Estimate Study



Duke Energy Carolinas

**Decommissioning Cost Estimate Study
Project No. 95525**

4/19/2017

Decommissioning Cost Estimate Study

prepared for

**Duke Energy Carolinas
Decommissioning Cost Estimate Study
Raleigh, North Carolina**

Project No. 95525

4/19/2017

prepared by

**Burns & McDonnell Engineering Company, Inc.
Kansas City, Missouri**

COPYRIGHT © 2017 BURNS & McDONNELL ENGINEERING COMPANY, INC.

TABLE OF CONTENTS**EXECUTIVE SUMMARY****Page No.**

1.0	EXECUTIVE SUMMARY	1-1
1.1	Introduction	1-1
1.2	Results	1-1
1.3	Statement of Limitations	1-3
2.0	INTRODUCTION	2-1
2.1	Background	2-1
2.2	Study Methodology	2-1
2.3	Site Visits	2-2
3.0	PLANT DESCRIPTIONS	3-1
3.1	Simple Cycle / Combustion Turbines	3-1
3.1.1	Lincoln	3-1
3.1.2	Mill Creek	3-1
3.1.3	Rockingham	3-1
3.1.4	W.S. Lee CTs	3-1
3.2	Combined Cycles	3-1
3.2.1	Buck	3-1
3.2.2	Dan River	3-2
3.3	Natural Gas Fired Boiler	3-2
3.3.1	W.S. Lee	3-2
3.4	Coal Generation	3-2
3.4.1	Allen	3-2
3.4.2	Belews Creek	3-2
3.4.3	Cliffside	3-2
3.4.4	Marshall	3-3
3.5	Solar	3-3
3.5.1	Mocksville	3-3
3.5.2	Monroe	3-3
3.6	Pumped Storage	3-3
3.6.1	Bad Creek	3-3
3.6.2	Jocassee	3-3
3.7	Hydro	3-4
3.7.1	99 Islands	3-4
3.7.2	Bear Creek	3-4
3.7.3	Bridgewater	3-4
3.7.4	Bryson City	3-4
3.7.5	Cedar Cliff	3-4
3.7.6	Cedar Creek	3-4
3.7.7	Cowans Ford	3-4

3.7.8	Dearborn	3-5
3.7.9	Fishing Creek	3-5
3.7.10	Franklin	3-5
3.7.11	Gaston Shoals	3-5
3.7.12	Great Falls	3-5
3.7.13	Keowee	3-5
3.7.14	Lookout Shoals	3-6
3.7.15	Mission	3-6
3.7.16	Mountain Island	3-6
3.7.17	Nantahala	3-6
3.7.18	Oxford	3-6
3.7.19	Queens Creek	3-6
3.7.20	Rhodhiss	3-6
3.7.21	Rocky Creek	3-7
3.7.22	Tennessee Creek	3-7
3.7.23	Thorpe	3-7
3.7.24	Tuckasegee	3-7
3.7.25	Tuxedo	3-7
3.7.26	Wateree	3-7
3.7.27	Wylie	3-7
4.0	DECOMMISSIONING COSTS	4-1
4.1	General Assumptions for All Sites	4-2
4.2	Additional Assumptions for All Hydroelectric Sites	4-5
4.3	Site Specific Decommissioning Assumptions	4-6
4.3.1	Allen	4-7
4.3.2	Bad Creek	4-7
4.3.3	Belews Creek	4-7
4.3.4	Buck	4-7
4.3.5	Cliffside	4-7
4.3.6	Dan River	4-7
4.3.7	Lincoln	4-8
4.3.8	Marshall	4-8
4.3.9	Mill Creek	4-8
4.3.10	Mocksville	4-8
4.3.11	Monroe	4-8
4.3.12	Rockingham	4-8
4.3.13	W.S. Lee Unit 3 Natural Gas Fired Boiler	4-8
4.3.14	W.S. Lee CT	4-9
4.4	Scrap Metal Credit	4-9
4.5	Results	4-10

APPENDIX A - PLANT AERIALS**APPENDIX B - COST ESTIMATE SUMMARIES**

LIST OF TABLES

	<u>Page No.</u>
Table 1-1: Decommissioning Cost Summary (2016\$)	1-2
Table 2-1: Site Visit Dates.....	2-2
Table 4-1: Basis for Scrap metal Value	4-10
Table 4-2: Decommissioning Cost Summary (2016\$)	4-10

LIST OF FIGURES

	<u>Page No.</u>
Figure 2-1: DEC Facilities	2-3

LIST OF ABBREVIATIONS

<u>Abbreviation</u>	<u>Term/Phrase/Name</u>
Burns & McDonnell	Burns & McDonnell Engineering Company, Inc.
BOP	Balance of Plant Facilities
C&D	Construction and Demolition
CC	Combined Cycle
CCGT	Combined Cycle Gas Turbine
COD	Commercial Operating Date
CT	Combustion Turbine
DEC	Duke Energy Carolinas
HDPE	High-Density Polyethylene
HRSG	Heat Recovery Steam Generator
Hydros	Hydroelectric Generating Units
OSHA	Occupational Safety and Health Administration
NO _x	Nitrogen Oxide
PCBs	Polychlorinated Biphenyls
Plants	Power Generation Assets
PPA	Power Purchase Agreement
RS Means	Construction Cost Estimating Data
SCR	Selective Catalytic Reduction
ST	Steam Turbine
STG	Steam Turbine Generator
Study	Decommissioning Cost Study

1.0 EXECUTIVE SUMMARY

1.1 Introduction

Burns & McDonnell Engineering Company, Inc. (“Burns & McDonnell”) of Kansas City, Missouri, was retained by Duke Energy Carolinas (“DEC”) to conduct a Decommissioning Cost Study (“Study”) for power generation assets (“Plants”) in North Carolina and South Carolina. The assets include natural gas-fired, coal-fired, solar, hydroelectric, and pumped storage generating facilities. The purpose of the Study was to review the facilities and to make a recommendation to DEC regarding the total cost to decommission the facilities at the end of their useful lives. The decommissioning costs were developed by Burns & McDonnell using information provided by DEC and in-house data available to Burns & McDonnell.

1.2 Results

Burns & McDonnell has prepared cost estimates in 2016 dollars for the decommissioning of the Plants. These cost estimates are summarized in Table 1-1: Decommissioning Cost Summary (2016\$). When DEC determines that the Plants should be retired, the above grade equipment and steel structures are assumed to have sufficient scrap value to a scrap contractor to offset a portion of the decommissioning costs. DEC will incur costs in the demolition and restoration of the sites less the scrap value of equipment and bulk steel.

Table 1-1: Decommissioning Cost Summary (2016\$)

Plant	Decommissioning Costs	Credits	Net Project Cost
99 Islands	\$ 2,848,000	\$ (215,000)	\$ 2,633,000
Allen	\$ 52,664,000	\$ (12,562,000)	\$ 40,102,000
Bad Creek	\$ 5,368,000	\$ (4,230,000)	\$ 1,138,000
Bear Creek	\$ 713,000	\$ (120,000)	\$ 593,000
Belews Creek	\$ 78,544,000	\$ (15,867,000)	\$ 62,677,000
Bridgewater	\$ 1,663,000	\$ (438,000)	\$ 1,225,000
Bryson City	\$ 971,000	\$ (21,000)	\$ 950,000
Buck	\$ 10,905,000	\$ (2,989,000)	\$ 7,916,000
Cedar Cliff	\$ 988,000	\$ (135,000)	\$ 853,000
Cedar Creek	\$ 1,919,000	\$ (484,000)	\$ 1,435,000
Cliffside	\$ 62,748,000	\$ (14,673,000)	\$ 48,075,000
Cowans Ford	\$ 3,027,000	\$ (404,000)	\$ 2,623,000
Dan River	\$ 11,051,000	\$ (2,928,000)	\$ 8,123,000
Dearborn	\$ 1,888,000	\$ (490,000)	\$ 1,398,000
Fishing Creek	\$ 2,779,000	\$ (650,000)	\$ 2,129,000
Franklin	\$ 963,000	\$ (24,000)	\$ 939,000
Gaston Shoals	\$ 1,998,000	\$ (123,000)	\$ 1,875,000
Great Falls	\$ 3,961,000	\$ (225,000)	\$ 3,736,000
Jocassee	\$ 3,475,000	\$ (3,051,000)	\$ 424,000
Keowee	\$ 2,515,000	\$ (1,255,000)	\$ 1,260,000
Lincoln	\$ 13,135,000	\$ (5,984,000)	\$ 7,151,000
Lookout Shoals	\$ 1,723,000	\$ (339,000)	\$ 1,384,000
Marshall	\$ 57,558,000	\$ (15,996,000)	\$ 41,562,000
Mill Creek	\$ 5,713,000	\$ (2,385,000)	\$ 3,328,000
Mission	\$ 1,469,000	\$ (39,000)	\$ 1,430,000
Mocksville	\$ 2,406,000	\$ (532,000)	\$ 1,874,000
Monroe	\$ 9,275,000	\$ (1,860,000)	\$ 7,415,000
Mountain Island	\$ 2,508,000	\$ (569,000)	\$ 1,939,000
Nantahala	\$ 1,185,000	\$ (304,000)	\$ 881,000
Oxford	\$ 1,418,000	\$ (400,000)	\$ 1,018,000
Queens Creek	\$ 745,000	\$ (68,000)	\$ 677,000
Rhodhiss	\$ 1,883,000	\$ (418,000)	\$ 1,465,000
Rockingham	\$ 4,793,000	\$ (2,408,000)	\$ 2,385,000
Rocky Creek	\$ 3,902,000	\$ (406,000)	\$ 3,496,000
Tennessee Creek	\$ 858,000	\$ (152,000)	\$ 706,000
Thorpe	\$ 1,061,000	\$ (211,000)	\$ 850,000
Tuckasegee	\$ 638,000	\$ (49,000)	\$ 589,000
Tuxedo	\$ 1,192,000	\$ (191,000)	\$ 1,001,000
Wateree	\$ 2,911,000	\$ (816,000)	\$ 2,095,000
W.S. Lee Coal	\$ 9,411,000	\$ (2,069,000)	\$ 7,342,000
W.S. Lee	\$ 1,458,000	\$ (458,000)	\$ 1,000,000
Wylie	\$ 2,463,000	\$ (550,000)	\$ 1,913,000

The total net project costs presented above include the costs to return the sites to an industrial condition suitable for reuse for development of an industrial facility. Included are the costs to dismantle the power generating equipment owned by DEC as well as the costs to dismantle the DEC-owned Balance of Plant facilities (“BOP”) and environmental site restoration activities.

1.3 Statement of Limitations

In preparation of this decommissioning study, Burns & McDonnell has relied upon information provided by DEC. Burns & McDonnell acknowledges that it has requested the information from DEC that it deemed necessary to complete this study. While Burns & McDonnell has no reason to believe that the information provided, and upon which Burns & McDonnell has relied, is inaccurate or incomplete in any material respect, Burns & McDonnell has not independently verified such information and cannot guarantee its accuracy or completeness.

Burns & McDonnell’s estimates and projections of decommissioning costs are based on Burns & McDonnell’s experience, qualifications and judgment. Since Burns & McDonnell has no control over weather, cost and availability of labor, material and equipment, labor productivity, construction contractors’ procedures and methods, and other factors, Burns & McDonnell does not guarantee the accuracy of its estimates and projections.

Burns & McDonnell’s estimates do not include allowances for unforeseen environmental liabilities associated with unexpected environmental contamination due to events not considered part of normal operations, such as fuel tank ruptures, oil spills, etc. Estimates also do not include allowances for environmental remediation associated with changes in classification of hazardous materials.

2.0 INTRODUCTION

2.1 Background

Burns & McDonnell was retained by DEC to conduct a study for Plants in the Carolinas to estimate the decommissioning costs. The assets include natural gas-fired, coal-fired, solar, hydroelectric, and pumped storage generating facilities. Individuals from Burns & McDonnell visited 13 of the 41 Plants covered by the Study in January of 2017. The purpose of the Study was to review the facilities and to make a recommendation to DEC regarding the total cost to decommission the facilities at the end of their useful lives.

Burns & McDonnell has prepared decommissioning studies for over 100 facilities on various types of fossil fuel and renewables power plants using a proven approach to developing these estimates. In addition to preparing decommissioning estimates, Burns & McDonnell has supported demolition projects as the owner's engineer, to evaluate demolition bids and oversee demolition activities. This has provided Burns & McDonnell with insight into the range of competitive demolition bids, which also assists in confirming the reasonableness of the decommissioning estimates developed by Burns & McDonnell.

2.2 Study Methodology

The site decommissioning costs were developed using information provided by DEC and in-house data Burns & McDonnell has collected from previous project experience. Burns & McDonnell estimated quantities for equipment based on a visual inspection of the facilities, review of engineering drawings, Burns & McDonnell's in-house database of plant equipment quantities, and Burns & McDonnell's professional judgment. This resulted in an estimate of quantities for the tasks required to be performed for each decommissioning effort. Current market pricing for labor rates, equipment, and unit pricing were then developed for each task. The unit pricing was developed for each site based on the labor rates, equipment costs, and disposal costs specific to the area in which the work is to be performed. These rates were applied to the quantities for the Plants to determine the total cost of decommissioning for each site.

The decommissioning costs include the cost to return the site to an industrial condition, suitable for reuse for development of an industrial facility, commonly referred to as a brownfield site. Included are the costs to decommission all of the assets owned by DEC at the site, including power generating equipment and BOP facilities.

2.3 Site Visits

Representatives from Burns & McDonnell and DEC visited the sites. The site visits consisted of a tour of each facility with plant personnel to review the equipment installed at each site. Tours were conducted by plant personnel.

Mr. John Edelen, from Duke Energy Carolinas, served as the DEC representative throughout the site visits, along with plant personnel at each of the sites.

The following Burns & McDonnell representatives comprised the site visit team:

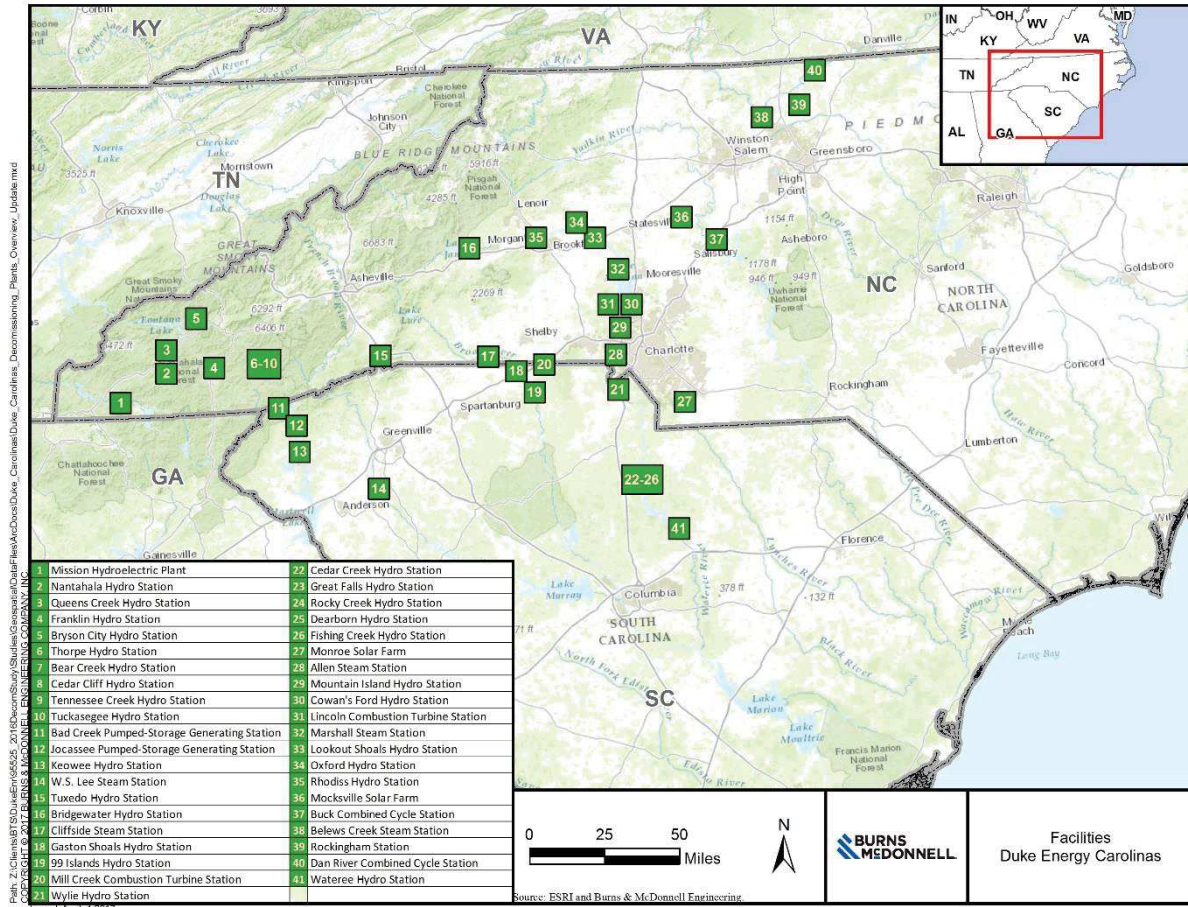
- Mr. Jeff Kopp, Project Manager
- Mr. Tommy Bertken, Analyst
- Mr. Drew Burczyk, Analyst

The site visits were performed on the following dates.

Table 2-1: Site Visit Dates

Plant	Site Visit Date
99 Islands	January 25, 2017
Bad Creek	January 27, 2017
Belews Creek	January 23, 2017
Buck	January 24, 2017
Cliffside	January 26, 2017
Cowans Ford	January 24, 2017
Dan River	January 23, 2017
Jocassee	January 27, 2017
Lincoln	January 24, 2017
Marshall	January 24, 2017
Mill Creek	January 25, 2017
Rockingham	January 23, 2017
W.S. Lee	January 27, 2017

Figure 2-1: DEC Facilities



3.0 PLANT DESCRIPTIONS

The following sections provide site descriptions for each of the power plants included in this Study.

3.1 Simple Cycle / Combustion Turbines

3.1.1 Lincoln

Lincoln is located in Lincoln County, North Carolina, and consists of sixteen (16) General Electric Combustion Turbines (“CTs”). Units 1 through 16 have a combined 2017 summer capacity rating of 1,193 MW and began operation in 1995. Natural gas is the primary fuel source for the plant, with fuel oil on site as a secondary source.

3.1.2 Mill Creek

Mill Creek is located in Cherokee County, South Carolina, and consists of eight (8) General Electric 7EA CTs. Combined, the eight natural gas-fired units have a 2017 summer capacity rating of 563 MW. The plant began operation in 2002. Natural gas is the primary fuel source for the plant, with fuel oil on site as a secondary source.

3.1.3 Rockingham

Rockingham is located in Rockingham County, North Carolina, and consists of five (5) Siemens W501FD natural gas-fired CTs. Each of the five CTs have a 2017 summer capacity rating of 165 MW, combining for 825 MW. The plant began operation in June of 2000. Natural gas is the primary fuel source for the plant, with fuel oil on site as a secondary source.

3.1.4 W.S. Lee CTs

W.S. Lee is located in Anderson County, South Carolina, and began operation in 1968. Units 4 through 6 were retired in 2007 and the plant currently consists of two (2) General Electric LM6000 natural gas-fired CTs. Unit 7 and Unit 8 each have a 2017 summer capacity rating of 42 MW, combining for 84 MW total.

3.2 Combined Cycles

3.2.1 Buck

Buck Combine Cycle (“CC”) is located in Rowan County, North Carolina, and first came into service in 2011. The plant consists of two (2) General Electric 7FA CTs, Unit 11 and Unit 12, and one General Electric D11 Steam Turbine (“ST”), Unit 10. All three units have a combined 2017 summer capacity rating of 668 MW and are natural gas-fired with no fuel oil on site as backup fuel.

3.2.2 Dan River

Dan River CC is located in Rockingham County, North Carolina, and came into service in 2012. The plant consists of two (2) General Electric 7FA CTs, Unit 8 and Unit 9, and a General Electric D11 ST, Unit 7. All three units have a combined 2017 summer capacity rating of 662 MW and are natural gas-fired with no fuel oil on site as backup fuel.

3.3 Natural Gas Fired Boiler

3.3.1 W.S. Lee

W.S. Lee is located in Anderson County, South Carolina, along the Saluda River. The coal-fired plant began commercial operation in 1951 with three General Electric ST units. Unit 1 and Unit 2 have since been retired and decommissioned, and Unit 3 was converted to natural gas in 2015. Unit 3 has a 2017 summer capacity rating of 170 MW.

3.4 Coal Generation

3.4.1 Allen

Allen Steam Station is located in Gaston County, North Carolina, along the Catawba River. The Plant consists of five (5) General Electric coal-fired boiler units. Unit 1 and Unit 2 have a 2017 summer capacity rating of 162 MW and began commercial operation in 1957. Unit 3 has a 2017 summer capacity rating of 258 MW, and Unit 5 has a 2017 summer capacity rating of 257 MW. Unit 3 and Unit 5 began commercial operation in 1959 and 1961, respectively. Unit 4 has a 2017 summer capacity rating of 259 MW and began commercial operation in 1960. Cooling water is provided by the Catawba River.

3.4.2 Belews Creek

Belews Creek Power Station is a coal-fired power plant located in Stokes County, North Carolina. The first turbine entered into service in 1974 and second was brought online in 1975. The Plant consists of two (2) coal-fired boiler units. Unit 1 and Unit 2 are Westinghouse STs that have a 2017 summer capacity rating of 1,110 MW each, combining for 2,220 MW. Cooling water is provided by Belews Lake directly to the east of the site.

3.4.3 Cliffside

Cliffside Station is a coal-fired power plant located in Cleveland, North Carolina, just north of the South Carolina border. Unit 1 through Unit 4 have been retired as of 2011. Unit 5 was brought online in 1972 and Unit 6 was brought online in 2012. Unit 5 consists of one (1) General Electric ST with a 2017 summer capacity rating of 544 MW. Unit 6 consists of one (1) General Electric ST with a 2017 summer

capacity rating of 844 MW. Cooling water is provided by Broad River directly to the northeast of the site.

3.4.4 Marshall

Marshall Station is a coal-fired power plant located in Catawba County, North Carolina. The Plant consists of four (4) coal-fired boiler units. Unit 1 and Unit 2 each consist of one (1) General Electric ST with a 2017 summer capacity rating of 370 MW. Unit 3 and Unit 4 each consists of one (1) General Electric ST with a 2017 summer capacity rating of 658 MW and 660 MW, respectively. The plant began operating in 1965 with Unit 1 and finished construction in 1970 with Unit 4. Cooling water is provided by Lake Norman of Catawba directly to the east of the site.

3.5 Solar

3.5.1 Mocksville

Mocksville Solar Farm is located in Davie County, North Carolina, about 60 miles northeast of Charlotte, North Carolina. Mocksville has an estimated 63,300 panels on site at a 2017 summer capacity rating of 15.4 MW. It currently has a projected commercial operating date (“COD”) in the first quarter of 2017.

3.5.2 Monroe

Monroe Solar Facility is located in Union County, North Carolina, about 25 miles south east of Charlotte, North Carolina. Monroe Solar Facility has an estimated 663,225 panels at a 2017 summer capacity rating of 59.4 MW. It began commercial operation in December of 2016.

3.6 Pumped Storage

3.6.1 Bad Creek

Bad Creek Pumped Storage Project is located in Oconee County, South Carolina, 8 miles north of Salem, South Carolina. Units 1 through 4 consist of Pumped Storage Generators (“PS”) that have a 2017 summer capacity rating of 340 MW each, combining for a total plant capacity of 1,360 MW. Commercial operation began in 1991.

3.6.2 Jocassee

Jocassee Pumped Storage Station is located in Pickens County, South Carolina, on the Keowee River near Salem, South Carolina. Units 1 through 4 consist of PS that have 2017 summer capacity rating of 195 MW each, combining for a total plant capacity of 780 MW. Commercial operation began in 1973.

3.7 Hydro

3.7.1 99 Islands

The 99 Islands Hydroelectric (“Hydro”) Station is located in Blacksburg, South Carolina, on the Broad River. The plant powerhouse contains six (6) Hydraulic Turbines (“HT”) that have a combined 2017 summer capacity rating of 9.6 MW. The plant began commercial operation in 1910.

3.7.2 Bear Creek

Bear Creek Hydro Station is located in Tuckasegee, North Carolina, on the East Fork Tuckasegee River. The Bear Creek Hydro Station has one (1) HT that has a 2017 summer capacity rating of 9.5 MW. The plant began commercial operation in 1954.

3.7.3 Bridgewater

Bridgewater Hydro Station is located in Glen Alpine, North Carolina, and originally began operating in 1919. In 2011 the old powerhouse was decommissioned and new, more efficient, turbine generators went into service. The three (3) new HT Units combine for a 2017 summer capacity rating of 31.5 MW and provide constant water flow into the Catawba River.

3.7.4 Bryson City

The Bryson City Plant is located in Whittier, North Carolina, on the Oconaluftee River. The powerhouse contains two (2) HTs that has a combined 2017 summer capacity rating of 0.85 MW. The plant began commercial operation in 1929.

3.7.5 Cedar Cliff

Cedar Cliff Hydro Station is located in Tuckasegee, North Carolina, downstream from Bear Creek Hydro Station on the East Fork Tuckasegee River. The site consists of one (1) HT that has a 2017 summer capacity rating of 6.8 MW. The station began commercial operation in 1952.

3.7.6 Cedar Creek

Cedar Creek Hydro Station is located in Rocky Creek, South Carolina, on the Catawba River. Cedar Creek has three (3) HT units that have a combined 2017 summer capacity rating of 45 MW. The site began commercial operation in 1926.

3.7.7 Cowans Ford

Cowans Ford Hydro Station is located in Mecklenburg County, North Carolina, on Lake Norman. The site began operation in 1963 with three (3) HTs, and with a fourth turbine being added in 1967. This is the

largest hydro station in Duke's fleet with a combined 2017 summer capacity rating of 324 MW. Cowans Ford dam created Lake Norman which is the largest man-made body of freshwater in the state.

3.7.8 Dearborn

The Dearborn Hydro Station is located in Great Falls, South Carolina on the Catawba River. The powerhouse contains three (3) HT units that have a combined 2017 summer capacity rating of 42 MW. The plant began commercial operation in 1923.

3.7.9 Fishing Creek

Fishing Creek Hydro station is located in Chester County, South Carolina, about half way between Charlotte, North Carolina and Columbia, South Carolina. There are five (5) HTs at Fishing Creek that have a combined 2017 summer capacity rating of 50 MW. Fishing Creek began commercial operation over 100 years ago in 1916.

3.7.10 Franklin

The Franklin Plant is located in Franklin, North Carolina, on the Little Tennessee River. The powerhouse contains two (2) HT that have a combined 2017 summer capacity rating of 1 MW. The plant began commercial operation in 1925.

3.7.11 Gaston Shoals

The Gaston shoals Plant is located in Blacksburg, South Carolina, on the Broad river. The powerhouse contains four (4) HTs that have a combined 2017 summer capacity rating of 6 MW. The plant began commercial operation in 1908.

3.7.12 Great Falls

The Great Falls Hydro Station is located in Great Falls, South Carolina, on the Convergence of Rocky Creek and the Catawba River. The powerhouse contains eight (8) HTs that have a combined 2017 summer capacity rating of 12 MW. The plant began commercial operation in 1907.

3.7.13 Keowee

The Keowee Plant is located in Pickens County, South Carolina, on Lake Keowee. The powerhouse contains two (2) HTs that have a combined 2017 summer capacity rating of 152 MW. The plant began commercial operation in 1971.

3.7.14 Lookout Shoals

Lookout Shoals Hydro Station is located in Iredell County, North Carolina, on Lookout Shoals Lake. The powerhouse contains three (3) HTs that have a combined 2017 summer capacity rating of 27 MW. The Hydro Station began commercial operation over 100 years ago in 1915.

3.7.15 Mission

Mission Hydro Station is located in Murphy, North Carolina, on the Hiwassee River. The powerhouse contains three (3) HTs that have a combined 2017 summer capacity rating of 1.8 MW. The plant began commercial operation in 1924.

3.7.16 Mountain Island

Mountain Island Hydro Station is located in Gaston County, North Carolina, on Mountain Island Lake. The powerhouse consists of four (4) HT units that have a combined 2017 summer capacity rating of 62 MW. Mountain Island began commercial operation in 1923.

3.7.17 Nantahala

The Nantahala Plant is located in Topton, North Carolina, on the Nantahala Lake. The powerhouse contains four (4) HT units that have a combined 2017 summer capacity rating of 50 MW. The plant began commercial operation in 1942.

3.7.18 Oxford

Oxford Hydro Station is located in Hickory, North Carolina, on the south bank of the Catawba River. Oxford has two (2) HT units that have a combined 2017 summer capacity rating of 40 MW. Oxford began commercial operation in 1928.

3.7.19 Queens Creek

Queens Creek Hydro Station is located in Topton, North Carolina, on Queens Creek, a branch off the Nantahala River. The site has one (1) HT that has a 2017 summer capacity rating of 1.4 MW. Queens Creek plant began commercial operation in 1948.

3.7.20 Rhodhiss

Rhodhiss Hydro Station is located in Rhodhiss, North Carolina, and formed Lake Rhodhiss when it was completed in 1925. The site consists of three (3) HT units that have a combined 2017 summer capacity rating of 33.4 MW. Commercial operation began in 1925.

3.7.21 Rocky Creek

Rocky Creek Hydro Station is located in both Fairfield and Lancaster Counties, South Carolina, on the Catawba River. The powerhouse contains eight (8) HT units that have a combined 2017 summer capacity rating of 28 MW. The plant began commercial operation in 1908.

3.7.22 Tennessee Creek

Tennessee Creek Hydro Station is located in Tuckasegee, North Carolina, on the East Fork Tuckasegee River. The powerhouse contains one (1) HT that has a 2017 summer capacity rating of 9.8 MW. The Tennessee. This plant is 7 miles to the east of the Tuckasegee hydro station. Commercial operations began in 1955.

3.7.23 Thorpe

Thorpe Hydro Station is located in Dillsboro, North Carolina, on the West Fork Tuckasegee River. The powerhouse contains one (1) HT that has a 2017 summer capacity rating of 22 MW. The plant began commercial operation in 1941.

3.7.24 Tuckasegee

Tuckasegee Hydro Station is located in Tuckasegee, North Carolina, on the West Fork Tuckasegee River. The powerhouse contains one (1) HT unit that has a 2017 summer capacity rating of 2.5 MW. Commercial operations began in 1950.

3.7.25 Tuxedo

Tuxedo is located in Flat Rock, North Carolina, on the Green River, which is a branch off the Broad River. The plant has two (2) HTs that have a combined 2017 summer capacity rating of 6.4 MW. Commercial Operation began in 1920.

3.7.26 Wateree

The Wateree Plant is located in the Fairfield and Kershaw Counties of South Carolina. The powerhouse contains five (5) hydraulic turbines that have a combined 2017 summer capacity rating of 85 MW. The plant began commercial operation in 1919.

3.7.27 Wylie

The Lake Wylie Hydro Station is located in York County, South Carolina, on the Catawba River. The powerhouse contains four (4) hydraulic turbines that have a combined 2017 summer capacity rating of 72 MW. The plant began commercial operation in 1925.

4.0 DECOMMISSIONING COSTS

Burns & McDonnell has prepared decommissioning cost estimates for the Plants. When DEC determines that each site should be retired, the above grade equipment and steel structures are assumed to have sufficient scrap value to a scrap contractor to offset a portion of the site decommissioning costs.

However, DEC will incur costs of decommissioning of the Plants and restoration of the site to the extent that those costs exceed the scrap value of equipment and bulk steel.

The decommissioning costs include the cost to return the site to an industrial condition, suitable for reuse for development of an industrial facility. Included are the costs to dismantle all of the assets owned by DEC at the sites, including power generating equipment and BOP facilities, as well as environmental site restoration activities.

For purposes of this Study, Burns & McDonnell has assumed that each site will be decommissioned as a single project allowing the most cost effective demolition methods to be utilized. A summary of several of the means and methods that could be employed is summarized in the following paragraphs; however, means and methods will not be dictated to the contractor by Burns & McDonnell. It will be the contractor's responsibility to determine means and methods that result in safely decommissioning the Plants at the lowest possible cost.

Asbestos remediation, as required, would take place prior to commencement of any other demolition activities. Abatement would need to be performed in compliance with all state and federal regulations, including, but not limited to, requirements for sealing off work areas and maintaining negative pressure throughout the removal process. Final clearances and approvals would need to be achieved prior to performing further demolition activities.

High grade assets would then be removed from the site, to the extent possible. This would include items such as transformers, transformer coils, circuit breakers, electrical wire, condenser plates and tubes, and heater tubes. High grade assets include precious alloys such as copper, aluminum-brass tubes, stainless steel tubes, and other high value metals occurring in plant systems. High grade asset removal would occur up-front in the schedule, to reduce the potential for vandalism, to increase cash flow, and for separation of recyclable materials, in order to increase scrap recovery. Methods of removal vary with the location and nature of the asset. Small transformers, small equipment, and wire would likely be removed and shipped as-is for processing at a scrap yard. Large transformers, CTs, Steam Turbine Generators ("STG"), and condensers would likely require some on-site disassembly prior to being shipped to a scrap yard.

Construction and Demolition (“C&D”) waste includes items such as non-asbestos insulation, roofing, wood, drywall, plastics, and other non-metallic materials. C&D waste would typically be segregated from scrap and concrete to avoid cross-contaminating of waste streams or recycle streams. C&D demolition crews could remove these materials with equipment such as excavators equipped with material handling attachments, skid steers, etc. This material would be consolidated and loaded into bulk containers for disposal.

In general, boilers could be felled and cut into manageable sized pieces on the ground. First the structures around the boilers would need to be removed using excavators equipped with shears and grapples. Stairs, grating, elevators, and other high structures would be removed using an “ultra-high reach” excavator, equipped with shears. Following removal of these structures, the boilers would be felled, using explosive blasts. The boilers would then be dismantled using equipment such as excavators equipped with shears and grapples, and the scrap metal loaded onto trailers for recycling.

After the surrounding structures and ductwork have been removed, the stacks would be imploded, using controlled blasts. Following implosion the stack liners and concrete would be reduced in size to allow for handling and removal.

BOP structures and foundations would likely be demolished using excavators equipped with hydraulic shears, hydraulic grapples, and impact breakers, along with workers utilizing open flame cutting torches. Steel components would be separated, reduced in size, and loaded onto trailers for recycling. Concrete would be broken into manageable sized pieces and stockpiled for crushing on-site. Concrete pieces would ultimately be loaded in a hopper and fed through a crusher to be sized for on-site disposal.

4.1 General Assumptions for All Sites

The following assumptions were made as the basis of all of the cost estimates.

1. All cost estimates are in current 2016 dollars.
2. All estimates are budgetary in nature and do not reflect guaranteed costs. Budgetary refers to the nature of the itemized cost estimate being for planning purposes only and not a guarantee.
3. All estimates are based on labor rates from RS means values for a demolition crew B-8 with adjusted rates based on the local site cost index for the Plants.
4. All work will take place in a safe and cost efficient method.
5. Labor costs are based on a regular 40-hour workweek without overtime.
6. The estimates are inclusive of all costs necessary to properly dismantle and decommission all sites to a marketable or usable condition. For purposes of this Study and the included cost

estimates, the sites will be restored to a condition suitable for industrial use. Such sites that are restored for reuse in industrial settings are referred to as brownfield sites.

7. Abatement of asbestos will precede any other work. After final air quality clearances have been reached, demolition can proceed.
8. All facilities will be decommissioned to zero generating output. Existing utilities will remain in place for use by the contractor for the duration of the demolition activities.
9. It is assumed that all of the power stations will be dismantled after all units at a single site are taken out of service, allowing dismantlement of entire sites at once.
10. Soil testing and any other on-site testing has not been conducted for this study.
11. Transmission switchyards and substations outside the boundaries of the plant are not part of the demolition scope.
12. Major equipment, structural steel, CTs, generators, inlet filters, exhaust stacks, transformers, electrical equipment, cabling, wiring, pump skids, above ground piping, and equipment enclosures for the above equipment will be sold for scrap and removed from the Plant site by the demolition contractor. All other demolished materials are considered debris.
13. The costs for relocation of transmission lines, or other transmission assets, are specifically excluded from the decommissioning cost estimates.
14. Any costs necessary to support on-going operations of adjacent or newly proposed units will be allocated to the operating costs of the units not being decommissioned.
15. All demolition and abatement activities, including removal of asbestos, will be done in accordance with any and all applicable Federal, State and Local laws, rules and regulations.
16. Any residual oil or sludge in tanks and pipes will be cleaned by DEC prior to demolition.
17. All scrap materials are based on pricing at the Cincinnati hub and include a deduction for transportation, with the exception of stainless steel, which is based on the Cleveland hub.
18. The scrap value of the equipment is based on the equipment being at the end of its useful life at the time of demolition; therefore, the equipment will not have a value on the grey market for reinstallation. Equipment will have value as scrap only at the time of site demolition.
19. It is assumed that sufficient area to receive, assemble, and temporarily store equipment and materials is available.
20. Step-up transformers, auxiliary transformers, and spare transformers are included for demolition and scrap in all estimates.
21. Demolition will include the removal of all structures, equipment, tanks, conveyer systems, ancillary buildings, and any other associated equipment to two (2) feet below grade.

22. To the extent possible, concrete will be crushed and disposed of on-site. During crushing of the concrete, a large magnet is utilized to remove all rebar. All other non-hazardous material with no scrap value will be disposed of off-site at the nearest landfill.
23. All above grade plant structures and materials such as fire walls, masonry, doors, windows, building finishes, plumbing, HVAC ductwork, lighting fixtures, and cable trays, will be disposed of off-site at the nearest landfill.
24. Foundations and ground floor slabs will be removed to two (2) feet below grade. The surface will be graded for drainage using on-site soil and seeding.
25. All pipe supports and pipe racks will be demolished and scrapped.
26. Three feet of soil beneath the fuel oil tanks is to be removed and replaced with clean fill.
27. Hazardous material abatement is included for all sites as necessary, including asbestos, mercury, and polychlorinated biphenyls ("PCBs"). Lead paint coated materials will be handled by certified personnel compliant with OSHA Standards as necessary, but will not be removed prior to demolition. Scrap steel can be taken to scrap brokers with lead paint still intact, and it will not impact the scrap value.
28. All portable tanks will be removed from the site and scrapped, including any propane tanks, oil storage tanks, and waste oil tanks.
29. All production wells will be closed as per state regulations. Production wells will be filled with grout to approximately five feet below surface grade. The top five feet will be overdrilled and filled with soil backfill to grade on top of the grout. Monitoring wells will remain intact.
30. All chemicals will be consumed or disposed of by the Plant prior to shut down, including process chemicals in equipment, stored chemicals, and laboratory chemicals.
31. Any observable surface spill will be cleaned.
32. All trash, debris, and miscellaneous waste will be removed and disposed of properly.
33. Underground piping will be capped and abandoned in place. Circulating water tunnels will be filled with flowable fill.
34. No environmental costs have been included to address cleanup of contaminated soils, hazardous materials, or other conditions present on-site having a negative environmental impact, other than those specifically listed in these assumptions. No allowances are included for unforeseen environmental remediation activities.
35. Handling and disposal of hazardous material will be performed in compliance with the approved methods of DEC's Environmental Services Department.
36. Ash ponds and landfills are excluded from the scope of this Study.
37. Storm water ponds will be drained and the area graded to allow for natural drainage.

38. Site areas will be graded to achieve suitable site drainage to natural drainage patterns, but grading will be minimized to the extent possible.
39. Existing basements will be used to bury non-hazardous debris. Concrete in trenches and basements will be perforated to create drainage. Non-hazardous debris, such as concrete will be crushed and used as clean fill on-site once the capacity of all existing basements has been exceeded. All inert debris will be disposed of on-site. Costs for offsite disposal are included for materials not classified as inert debris.
40. Valuation and sale of land and all replacement generation costs are excluded from this scope.
41. Spare parts inventories were not provided to Burns & McDonnell for review. Burns & McDonnell assumes that to the extent possible spare parts will be sold prior to decommissioning and remaining spare parts will be scrapped by the demolition contractor.
42. Rolling stock, including rail cars, dozers, plant vehicles, etc. is assumed to be removed by DEC prior to decommissioning.
43. The scope of the costs included in the Study is limited to the decommissioning activities that will occur at the end of useful life of the facilities. Additional on-going costs may be required. These costs are excluded from the cost estimates provided in this Study.
44. A 20 percent contingency was included on the direct costs in the estimates prepared as part of this Study to cover unknowns.
45. Indirect costs are included in the cost estimate to cover owner expenses such as management trailers, utilities, etc. which may impact the cost of decommissioning each site. An indirect cost of 5 percent was included in the estimates to cover such costs.
46. Market conditions may result in cost variations at the time of contract execution.

4.2 Additional Assumptions for All Hydroelectric Sites

The following assumptions were made as the basis of all hydroelectric sites.

1. The dams are not included for removal in this Study, and will remain in place for flow control purposes.
2. At Plants where the powerhouse is a part of the dam, or structurally connected to the dam, the powerhouse will remain in place to support flow control operations. In these cases, although the powerhouse will remain, the cost of asbestos abatement in the powerhouse is included in the decommissioning cost estimates.
3. The asbestos quantities for the hydro facilities were not explicitly provided and therefore were estimated based off of known asbestos quantities at other similar hydro plants.

4. When the dam and the powerhouse are separated by a river bypass (piping, or penstock between dam and powerhouse) the above grade piping will be removed. Below grade piping will be abandon in place with the ends being capped with concrete. The powerhouse is assumed to be able to be demolished without effecting the dam.
5. Generators, transformers, and other power generation equipment will be removed.
6. Specific demolition crews are based on task, labor and equipment rates, which vary depending on the estimated time of completion.

4.3 Site Specific Decommissioning Assumptions

The following hydroelectric plants and pumped storage plants did not require additional site specific assumptions beyond those outlined in Section 4.2.

- 99 Islands
- Bear Creek
- Bridgewater
- Bryson City
- Cedar Cliff
- Cedar Creek
- Cowans Ford
- Dearborn
- Fishing Creek
- Franklin
- Gaston Shoals
- Great Falls
- Jocassee
- Keowee
- Lookout Shoal
- Mission
- Mountain Island
- Nantahala
- Oxford
- Queens Creek
- Rhodhiss
- Rocky Creek
- Tennessee Creek
- Thorpe
- Tuckasegee
- Tuxedo
- Wateree
- Wylie

The following additional site specific assumptions were made specific to each Plant cost estimate.

4.3.1 Allen

1. The boilers, steam piping, air ducts, and miscellaneous gaskets, floor tile, switch gear and various other structures are assumed to include asbestos containing materials. The cost for handling and disposing of this asbestos containing material is included in the cost estimates.
2. Main flue gas desulfurization (“FGD”) equipment costs were split between the units based on the total output of each unit.

4.3.2 Bad Creek

1. The pumped storage reservoir will be drained completely and the power tunnel from reservoir will be sealed. The tailraces will also be sealed but remain in place.
2. The below ground tunnels will not be filled with flowable fill. Instead, the already in place gates and fences will remain in place for security.

4.3.3 Belews Creek

1. Portions of the FGD and selective catalytic reduction (“SCR”) equipment that are used by both units were allocated to each unit equally (ammonia tanks, FGD control building, etc.)
2. The SCR is stacked on top of precipitator therefore the concrete foundation below is split between the two.

4.3.4 Buck

1. Buck is assumed to be asbestos free due to vintage of the plant.
2. Buck includes generally the same equipment as Dan River with the exception of Buck using fuel oil as a secondary fuel source, differences in tank sizes on-site, and the service water and demineralized water extensions.

4.3.5 Cliffside

1. The Unit 5 boilers, steam piping, air ducts, and miscellaneous gaskets, floor tile, switch gear and various other structures are assumed to include asbestos containing materials. The cost for handling and disposing of this asbestos containing material is included in the cost estimates.
2. The transformers on-site are assumed to not have PCB containing oil.
3. The original stack for Unit 5 is assumed to contain no brick liner.

4.3.6 Dan River

1. Dan River is assumed to be asbestos and PCB free due to vintage of the plant and discussions with plant staff.

2. Dan River includes generally the same equipment as Buck with the exception of Dan River not using fuel oil as a secondary fuel source, differences in tank sizes on-site, and the service water and demineralized water extensions.

4.3.7 Lincoln

1. All 16 units are identical.
2. There are a total of 8 identical GSU transformers, one per every two units.
3. Each unit has its own aux transformer.

4.3.8 Marshall

1. Unit 1 and Unit 2 were each allocated one-sixth of the cost of the FGD while Units 3 and 4 were each allocated one-third of the cost.
2. The stacks for Unit 3 and Unit 4 are excluded from this scope because they are in the process of being removed.

4.3.9 Mill Creek

1. Mill Creek is assumed to be asbestos free due to vintage of the plant.
2. All units are assumed to be identical.
3. Holding ponds on south of the plant have High-density polyethylene ("HDPE") liners.

4.3.10 Mocksville

1. All roads on site are gravel.
2. It is assumed that there is no photovoltaic combining switchgear on site.

4.3.11 Monroe

1. All roads on site are gravel.
2. It is assumed that there is no photovoltaic combining switchgear on site.

4.3.12 Rockingham

1. The combustion turbines do not contain any asbestos.
2. All buildings and tanks are included with the site demolition estimate.

4.3.13 W.S. Lee Unit 3 Natural Gas Fired Boiler

1. The cost estimate for decommissioning W.S. Lee natural gas boiler unit is separate from the cost estimate for decommissioning W.S. Lee CT units.

2. Fuel oil tanks are assumed to belong to W.S. Lee CT units and therefore are excluded from the W.S. Lee natural gas fired boiler estimate.
3. Steam piping, air ducts, storage tanks and miscellaneous gaskets, coal handling, cooling towers, and various other structures are assumed to contain asbestos. The cost for handling and disposing of this asbestos containing material is included in the cost estimates.
4. Since W. S. Lee has been converted to natural gas, all coal handling equipment has already been removed and was therefore, excluded from this Study.

4.3.14 W.S. Lee CT

1. The cost estimate for decommissioning W.S. Lee CT units is separate from the cost estimate for decommissioning W.S. Lee coal units.
2. The two fuel oil tanks to the northwest of the coal units are included in the cost estimate for the decommissioning of the CT units.

4.4 Scrap Metal Credit

Scrap metal prices used in the development of the scrap credit were based on prices for various types of materials published by the American Metal Market. Transportation costs were deducted from the scrap material prices from the American Metal Market values to determine the net scrap credit per ton or per pound for each scrap material at each site. Table 4-1 presents the net scrap metal unit prices for each site.

Table 4-1: Basis for Scrap metal Value

Plant Name	Destination	Steel Scrap Value (Per Net Ton)	Copper Scrap Value (Per Pound)	Aluminum Scrap Value (Per Pound)	Stainless Scrap Value (Per Pound)	Brass Scrap Value (per pound)	Copper-Nickel Scrap Value (per pound)
99 Islands	Cincinnati	(\$134.53)	(\$1.72)	N/A	N/A	N/A	N/A
Allen	Cincinnati	(\$142.83)	(\$1.72)	N/A	N/A	(\$1.32)	N/A
Bad Creek	Cincinnati	(\$118.71)	(\$1.71)	N/A	N/A	N/A	N/A
Bear Creek	Cincinnati	(\$115.07)	(\$1.71)	N/A	N/A	N/A	N/A
Belews Creek	Cincinnati	(\$136.92)	(\$1.72)	N/A	(\$0.65)	N/A	N/A
Bridgewater	Cincinnati	(\$118.60)	(\$1.71)	N/A	N/A	N/A	N/A
Bryson City	Cincinnati	(\$114.40)	(\$1.71)	N/A	N/A	N/A	N/A
Buck	Cincinnati	(\$136.92)	(\$1.72)	N/A	(\$0.65)	N/A	N/A
Cedar Cliff	Cincinnati	(\$116.12)	(\$1.71)	N/A	N/A	N/A	N/A
Ceder Creek	Cincinnati	(\$133.59)	(\$1.72)	N/A	N/A	N/A	N/A
Cliffside	Cincinnati	(\$133.48)	(\$1.72)	N/A	(\$0.65)	N/A	N/A
Cowans Ford	Cincinnati	(\$138.64)	(\$1.72)	N/A	N/A	N/A	N/A
Dan River	Cincinnati	(\$135.35)	(\$1.72)	N/A	(\$0.65)	N/A	N/A
Dearborn	Cincinnati	(\$124.42)	(\$1.71)	N/A	N/A	N/A	N/A
Fishing Creek	Cincinnati	(\$136.25)	(\$1.72)	N/A	N/A	N/A	N/A
Franklin	Cincinnati	(\$115.52)	(\$1.71)	N/A	N/A	N/A	N/A
Gaston Shoals	Cincinnati	(\$123.09)	(\$1.71)	N/A	N/A	N/A	N/A
Great Falls	Cincinnati	(\$124.42)	(\$1.71)	N/A	N/A	N/A	N/A
Jocassee	Cincinnati	(\$122.70)	(\$1.71)	N/A	N/A	N/A	N/A
Keowee	Cincinnati	(\$124.73)	(\$1.71)	N/A	N/A	N/A	N/A
Lincholn	Cincinnati	(\$138.74)	(\$1.72)	N/A	N/A	N/A	N/A
Lookout Shoals	Cincinnati	(\$133.80)	(\$1.72)	N/A	N/A	N/A	N/A
Marshall	Cincinnati	(\$138.27)	(\$1.72)	N/A	(\$0.65)	(\$1.32)	N/A
Mill Creek	Cincinnati	(\$130.93)	(\$1.72)	N/A	N/A	N/A	N/A
Mission	Cincinnati	(\$118.63)	(\$1.71)	N/A	N/A	N/A	N/A
Mocksville	Cincinnati	(\$134.96)	(\$1.72)	(\$0.40)	N/A	N/A	N/A
Monroe	Cincinnati	(\$138.52)	(\$1.72)	(\$0.40)	N/A	N/A	N/A
Mountain Island	Cincinnati	(\$140.67)	(\$1.72)	N/A	N/A	N/A	N/A
Nantahala	Cincinnati	(\$102.97)	(\$1.70)	N/A	N/A	N/A	N/A
Oxford	Cincinnati	(\$138.77)	(\$1.72)	N/A	N/A	N/A	N/A
Queens Creek	Cincinnati	(\$108.21)	(\$1.71)	N/A	N/A	N/A	N/A
Rhodiss	Cincinnati	(\$133.35)	(\$1.72)	N/A	N/A	N/A	N/A
Rockingham	Cincinnati	(\$132.48)	(\$1.72)	N/A	N/A	N/A	N/A
Rocky Creek	Cincinnati	(\$124.53)	(\$1.71)	N/A	N/A	N/A	N/A
Tennessee Creek	Cincinnati	(\$117.31)	(\$1.71)	N/A	N/A	N/A	N/A
Thorpe	Cincinnati	(\$114.44)	(\$1.71)	N/A	N/A	N/A	N/A
Tuckasegee	Cincinnati	(\$116.75)	(\$1.71)	N/A	N/A	N/A	N/A
Tuxedo	Cincinnati	(\$136.91)	(\$1.72)	N/A	N/A	N/A	N/A
W.S. Lee	Cincinnati	(\$141.90)	(\$1.72)	N/A	N/A	N/A	(\$1.98)
Wateree	Cincinnati	(\$126.87)	(\$1.71)	N/A	N/A	N/A	N/A
Wylie	Cincinnati	(\$139.34)	(\$1.72)	N/A	N/A	N/A	N/A

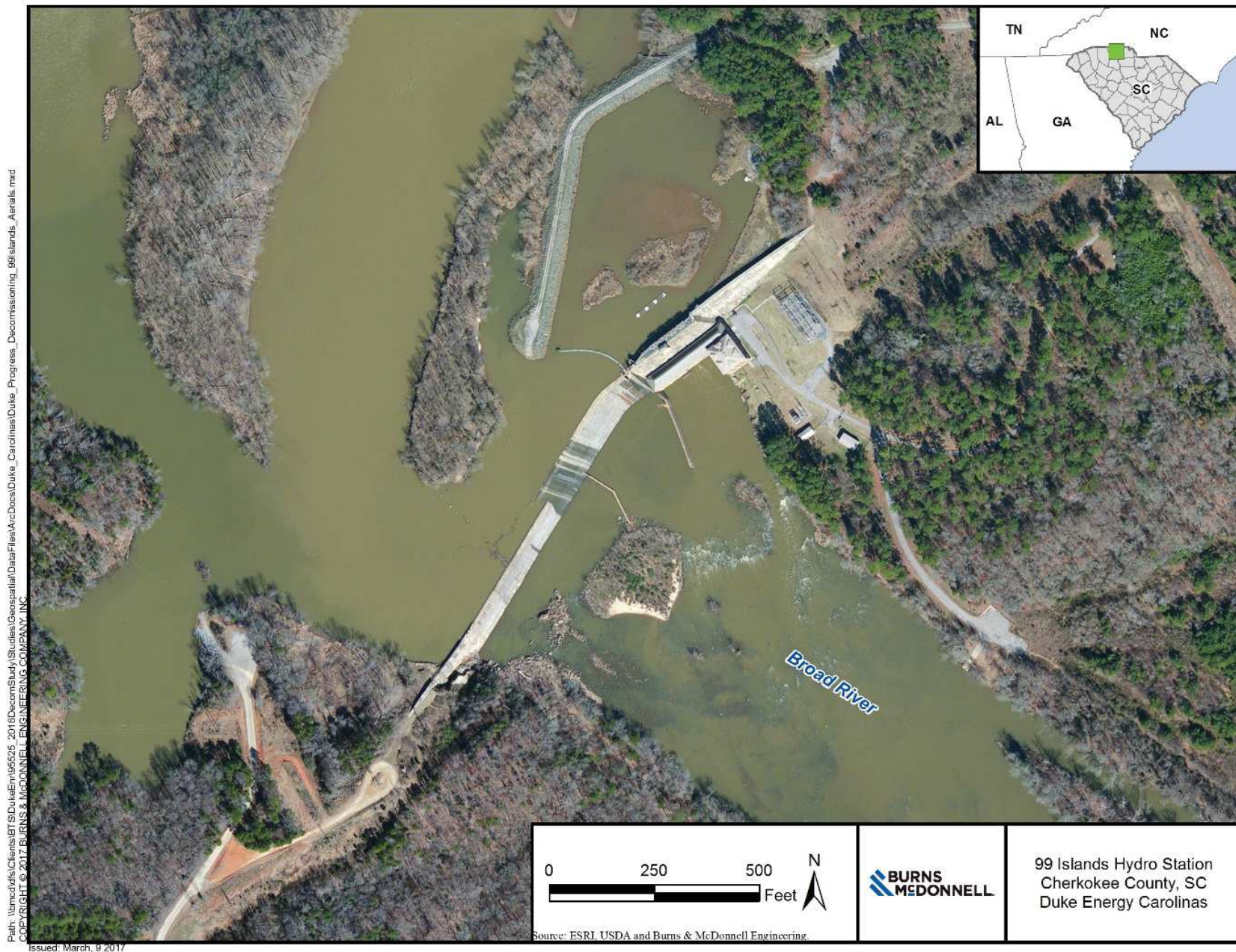
4.5 Results

Table 4-2 presents a summary of the decommissioning cost for each Plant. This summary provides a breakout of the major decommissioning activities and the scrap value for the Plant.

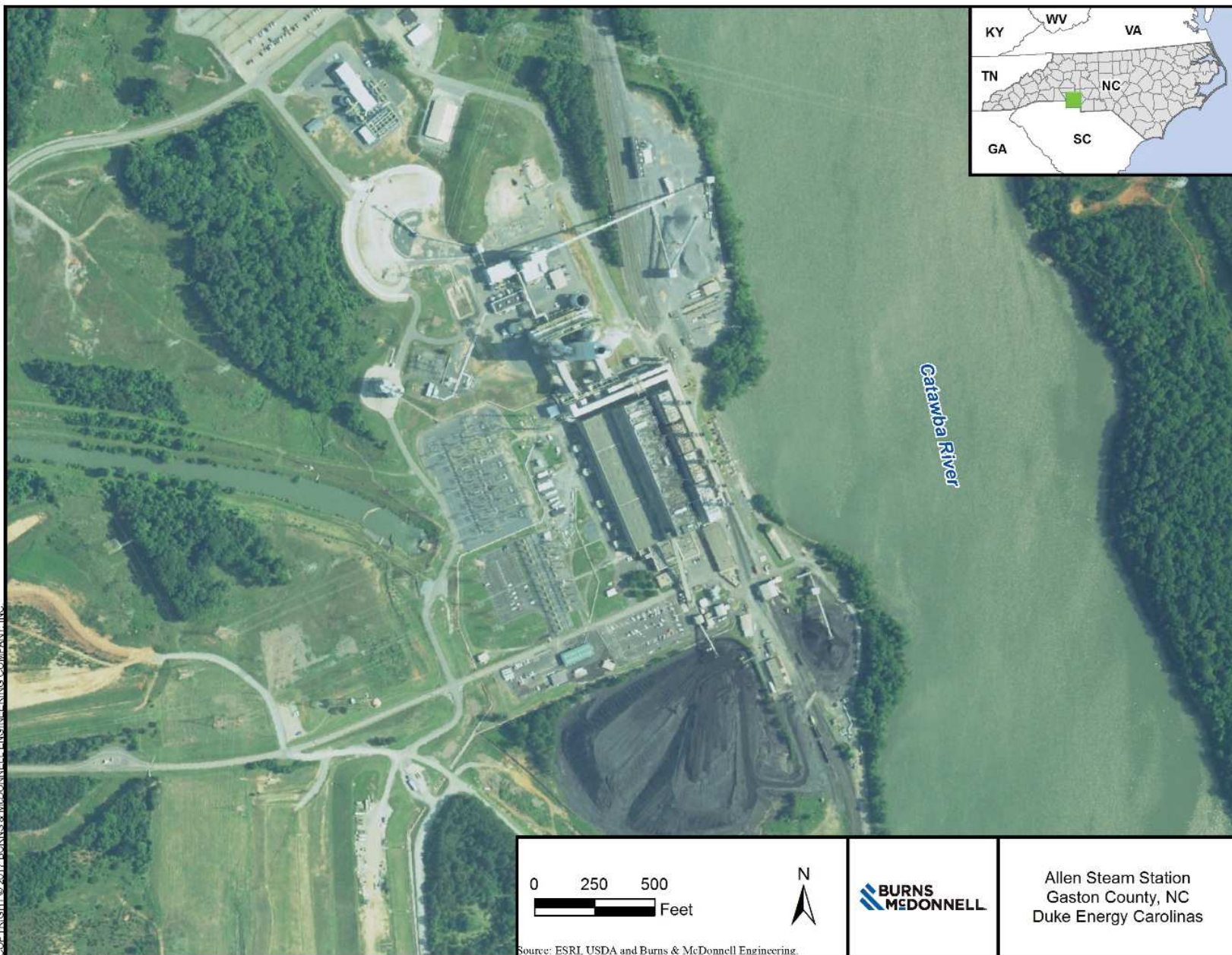
Table 4-2: Decommissioning Cost Summary (2016\$)

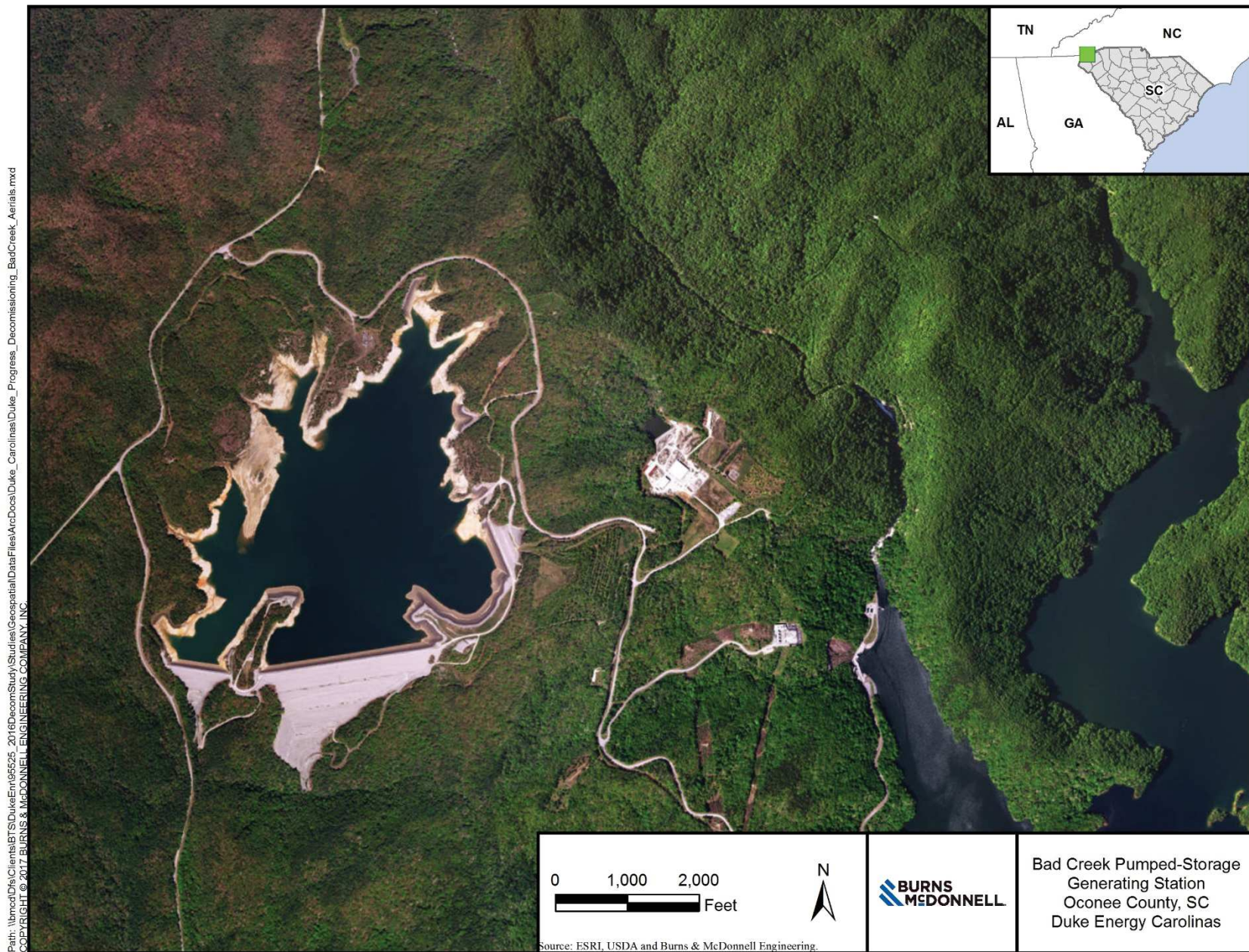
Plant	Decommissioning Costs	Credits	Net Project Cost
99 Islands	\$ 2,848,000	\$ (215,000)	\$ 2,633,000
Allen	\$ 52,664,000	\$ (12,562,000)	\$ 40,102,000
Bad Creek	\$ 5,368,000	\$ (4,230,000)	\$ 1,138,000
Bear Creek	\$ 713,000	\$ (120,000)	\$ 593,000
Belews Creek	\$ 78,544,000	\$ (15,867,000)	\$ 62,677,000
Bridgewater	\$ 1,663,000	\$ (438,000)	\$ 1,225,000
Bryson City	\$ 971,000	\$ (21,000)	\$ 950,000
Buck	\$ 10,905,000	\$ (2,989,000)	\$ 7,916,000
Cedar Cliff	\$ 988,000	\$ (135,000)	\$ 853,000
Cedar Creek	\$ 1,919,000	\$ (484,000)	\$ 1,435,000
Cliffside	\$ 62,748,000	\$ (14,673,000)	\$ 48,075,000
Cowans Ford	\$ 3,027,000	\$ (404,000)	\$ 2,623,000
Dan River	\$ 11,051,000	\$ (2,928,000)	\$ 8,123,000
Dearborn	\$ 1,888,000	\$ (490,000)	\$ 1,398,000
Fishing Creek	\$ 2,779,000	\$ (650,000)	\$ 2,129,000
Franklin	\$ 963,000	\$ (24,000)	\$ 939,000
Gaston Shoals	\$ 1,998,000	\$ (123,000)	\$ 1,875,000
Great Falls	\$ 3,961,000	\$ (225,000)	\$ 3,736,000
Jocassee	\$ 3,475,000	\$ (3,051,000)	\$ 424,000
Keowee	\$ 2,515,000	\$ (1,255,000)	\$ 1,260,000
Lincoln	\$ 13,135,000	\$ (5,984,000)	\$ 7,151,000
Lookout Shoals	\$ 1,723,000	\$ (339,000)	\$ 1,384,000
Marshall	\$ 57,558,000	\$ (15,996,000)	\$ 41,562,000
Mill Creek	\$ 5,713,000	\$ (2,385,000)	\$ 3,328,000
Mission	\$ 1,469,000	\$ (39,000)	\$ 1,430,000
Mocksville	\$ 2,406,000	\$ (532,000)	\$ 1,874,000
Monroe	\$ 9,275,000	\$ (1,860,000)	\$ 7,415,000
Mountain Island	\$ 2,508,000	\$ (569,000)	\$ 1,939,000
Nantahala	\$ 1,185,000	\$ (304,000)	\$ 881,000
Oxford	\$ 1,418,000	\$ (400,000)	\$ 1,018,000
Queens Creek	\$ 745,000	\$ (68,000)	\$ 677,000
Rhodhiss	\$ 1,883,000	\$ (418,000)	\$ 1,465,000
Rockingham	\$ 4,793,000	\$ (2,408,000)	\$ 2,385,000
Rocky Creek	\$ 3,902,000	\$ (406,000)	\$ 3,496,000
Tennessee Creek	\$ 858,000	\$ (152,000)	\$ 706,000
Thorpe	\$ 1,061,000	\$ (211,000)	\$ 850,000
Tuckasegee	\$ 638,000	\$ (49,000)	\$ 589,000
Tuxedo	\$ 1,192,000	\$ (191,000)	\$ 1,001,000
Wateree	\$ 2,911,000	\$ (816,000)	\$ 2,095,000
W.S. Lee Coal	\$ 9,411,000	\$ (2,069,000)	\$ 7,342,000
W.S. Lee	\$ 1,458,000	\$ (458,000)	\$ 1,000,000
Wylie	\$ 2,463,000	\$ (550,000)	\$ 1,913,000

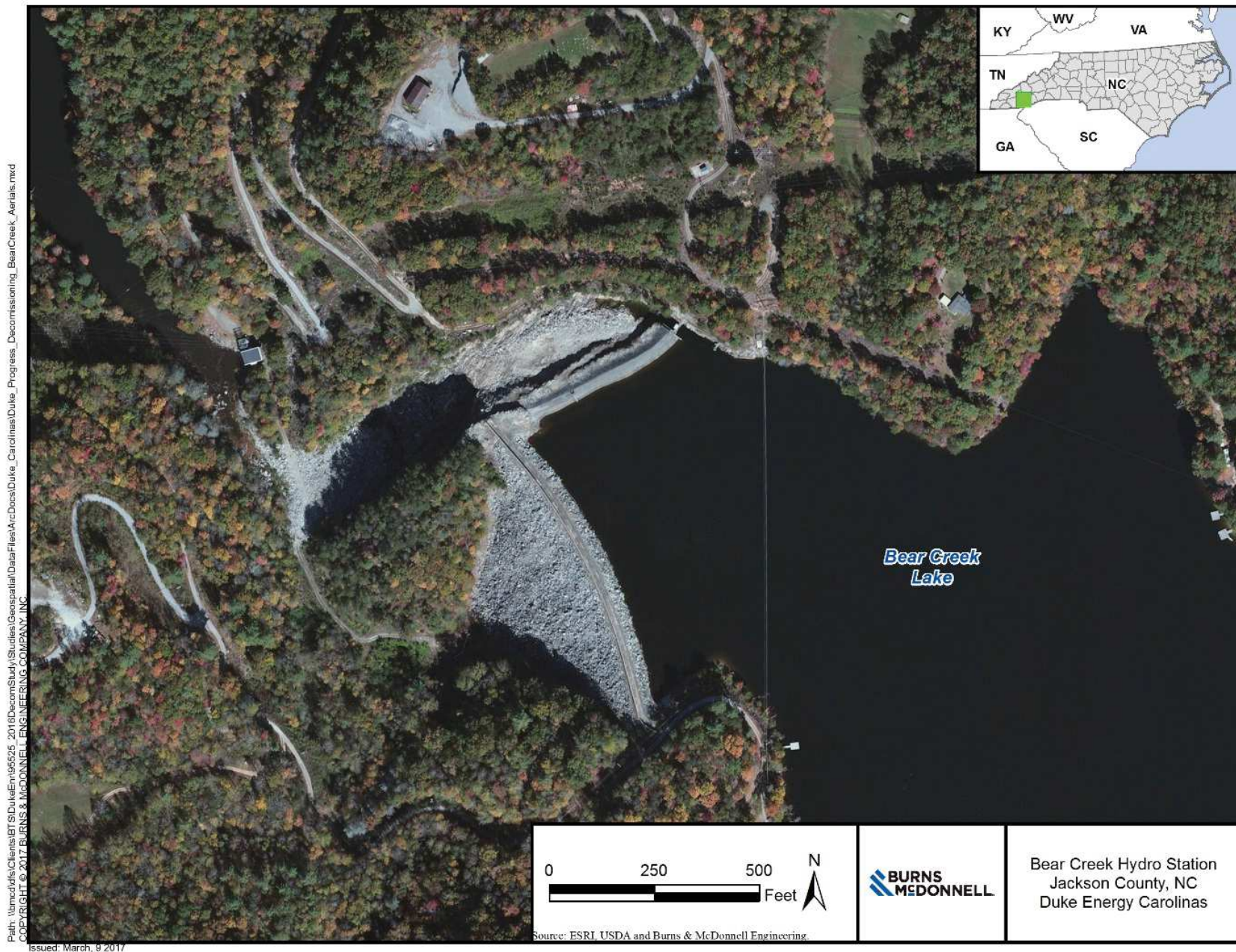
APPENDIX A - PLANT AERIALS

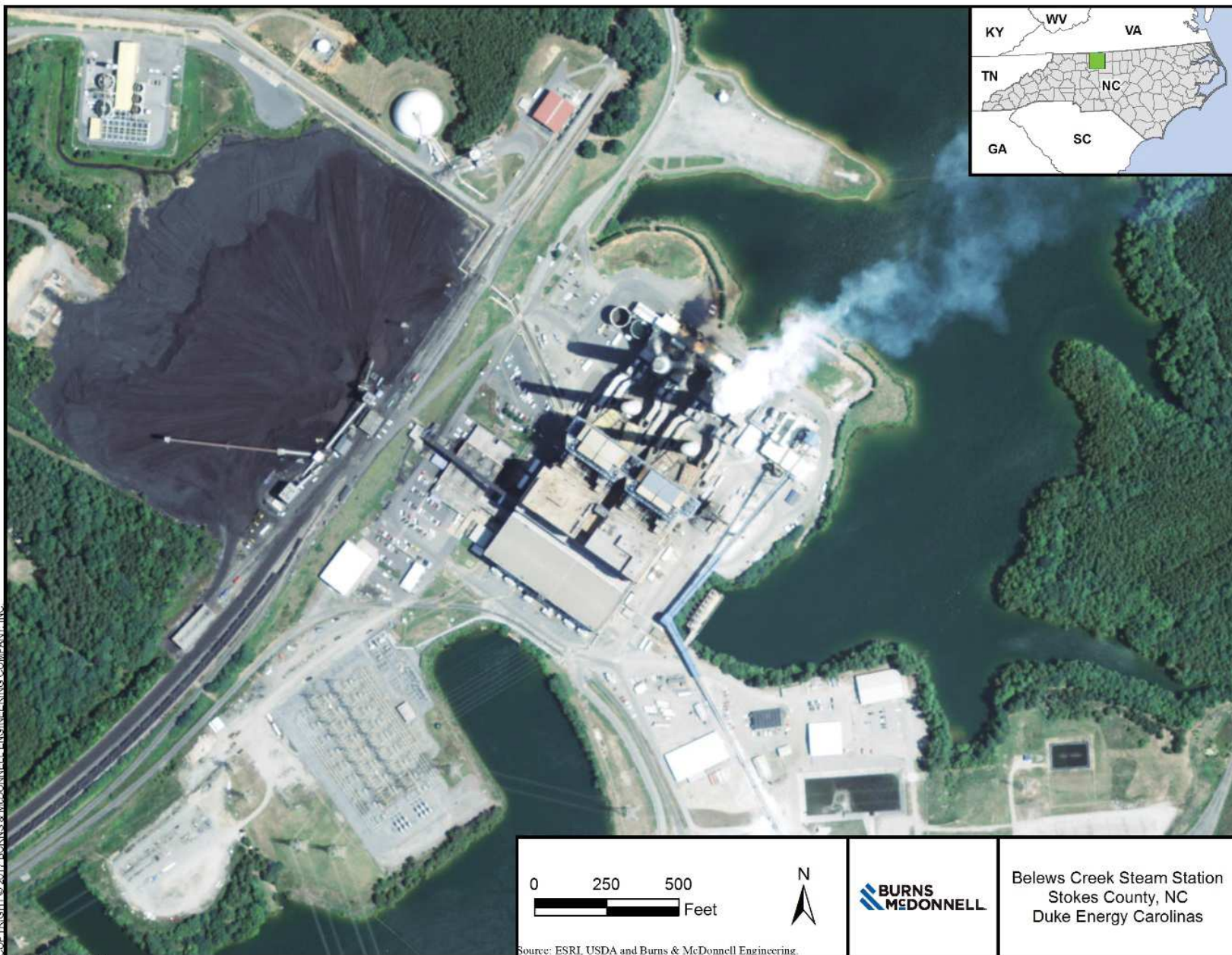


Issued: March, 9 2017

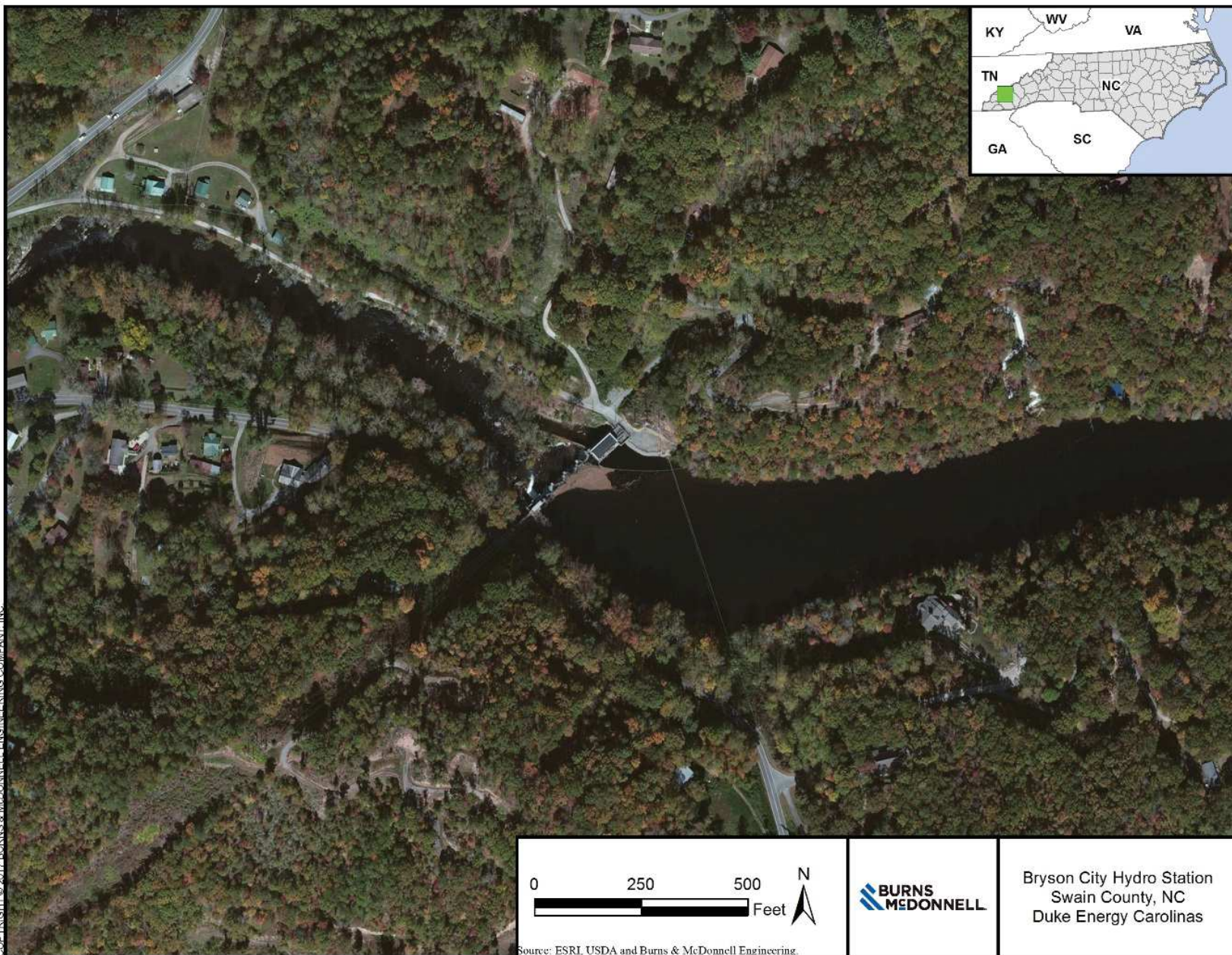


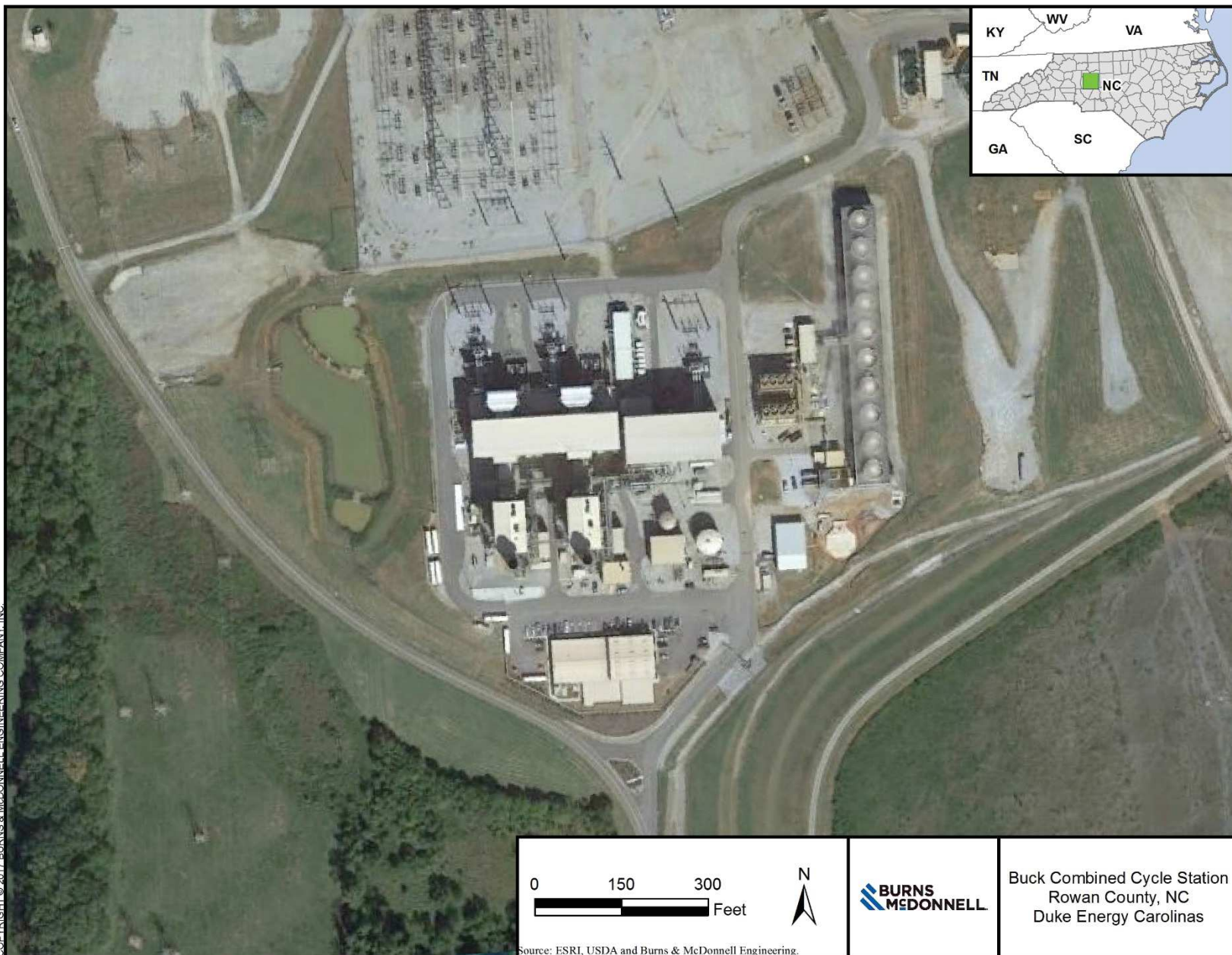


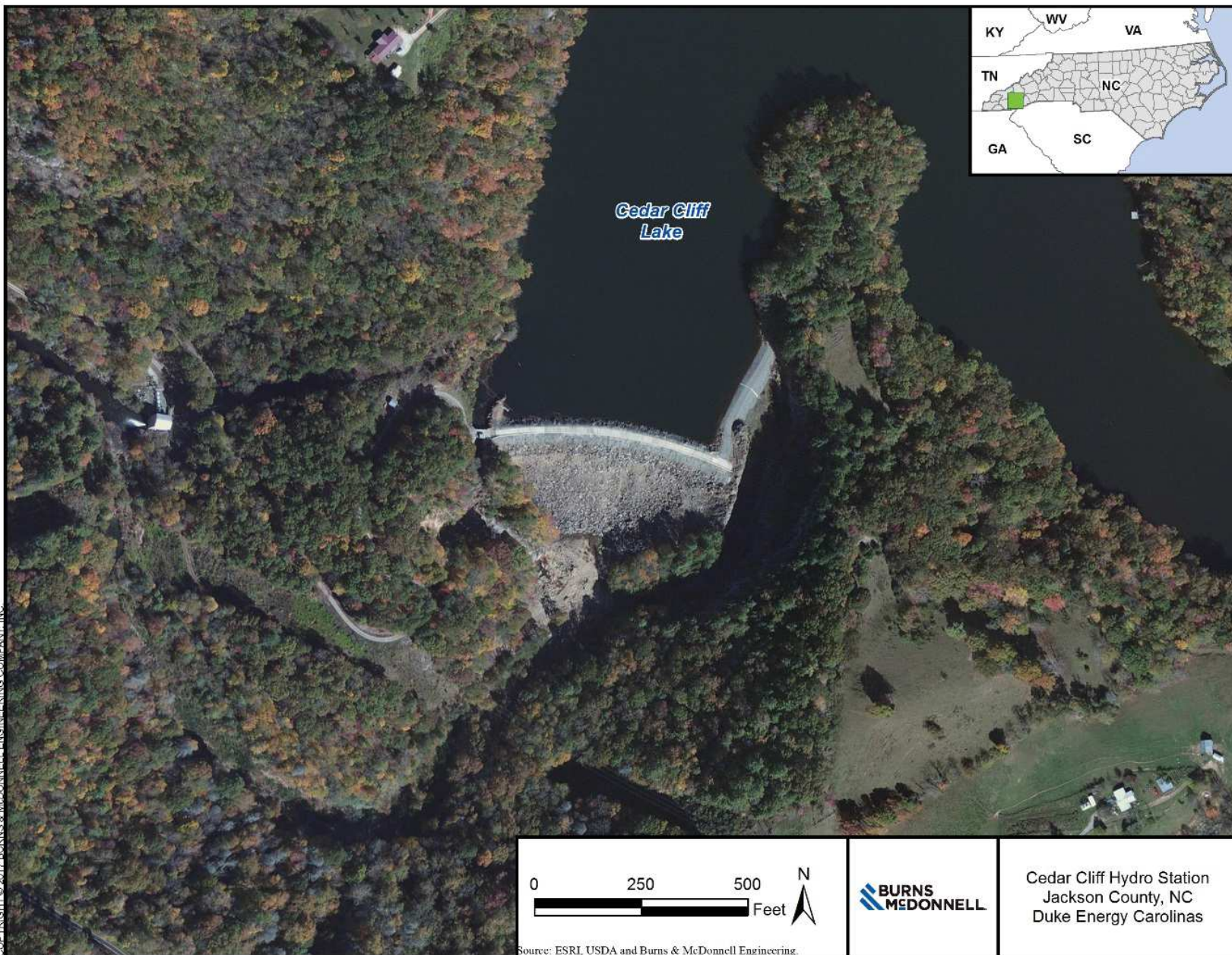






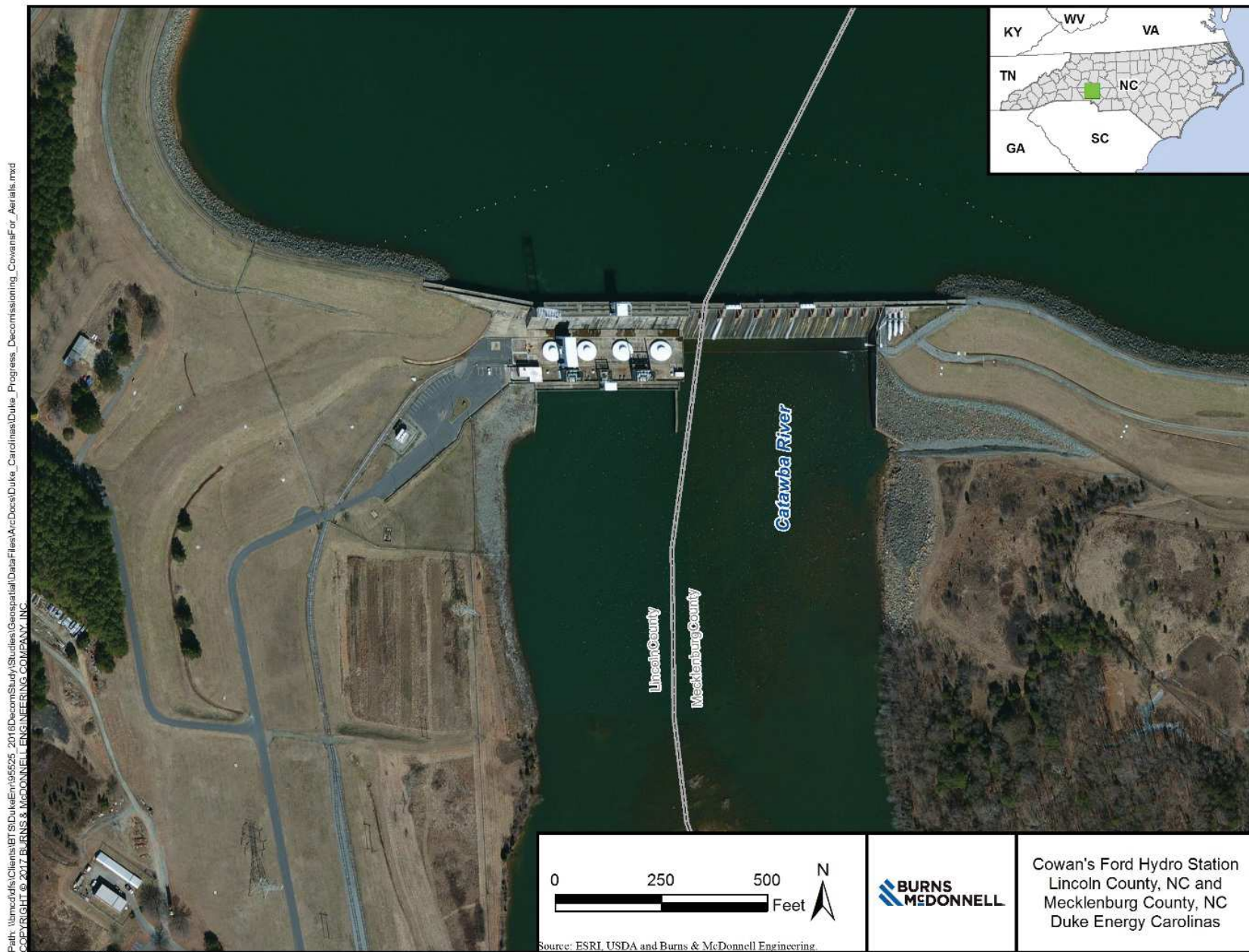


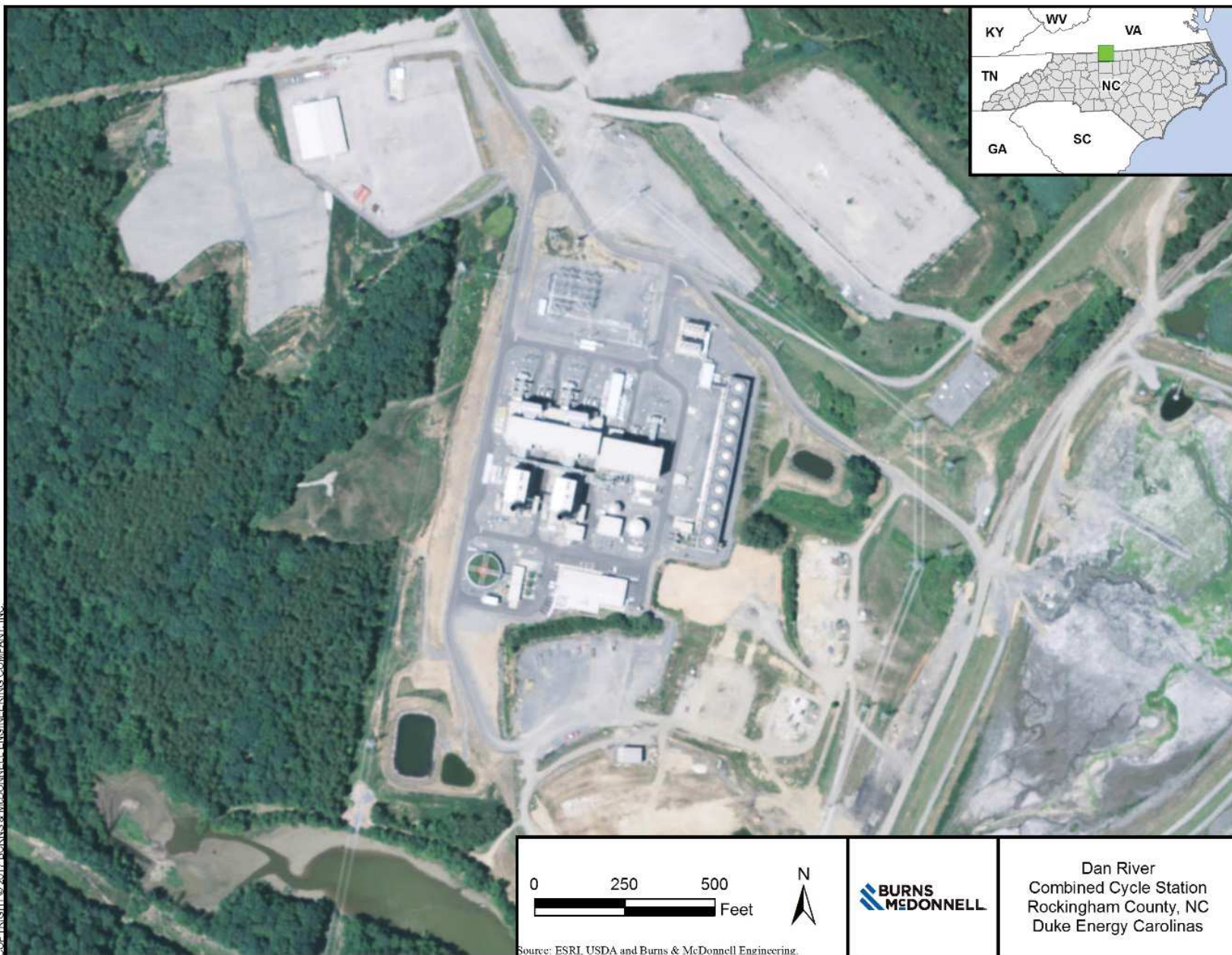




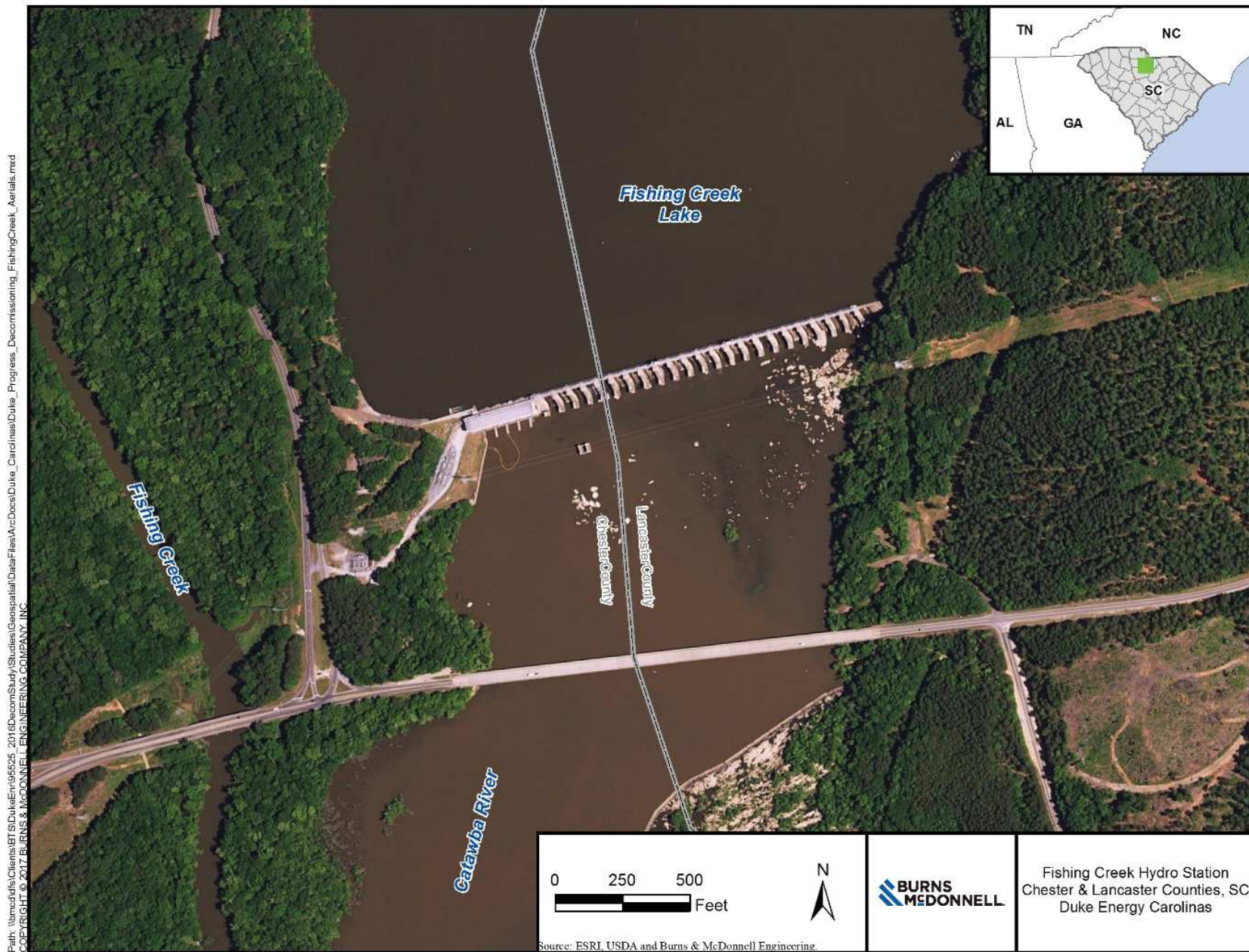


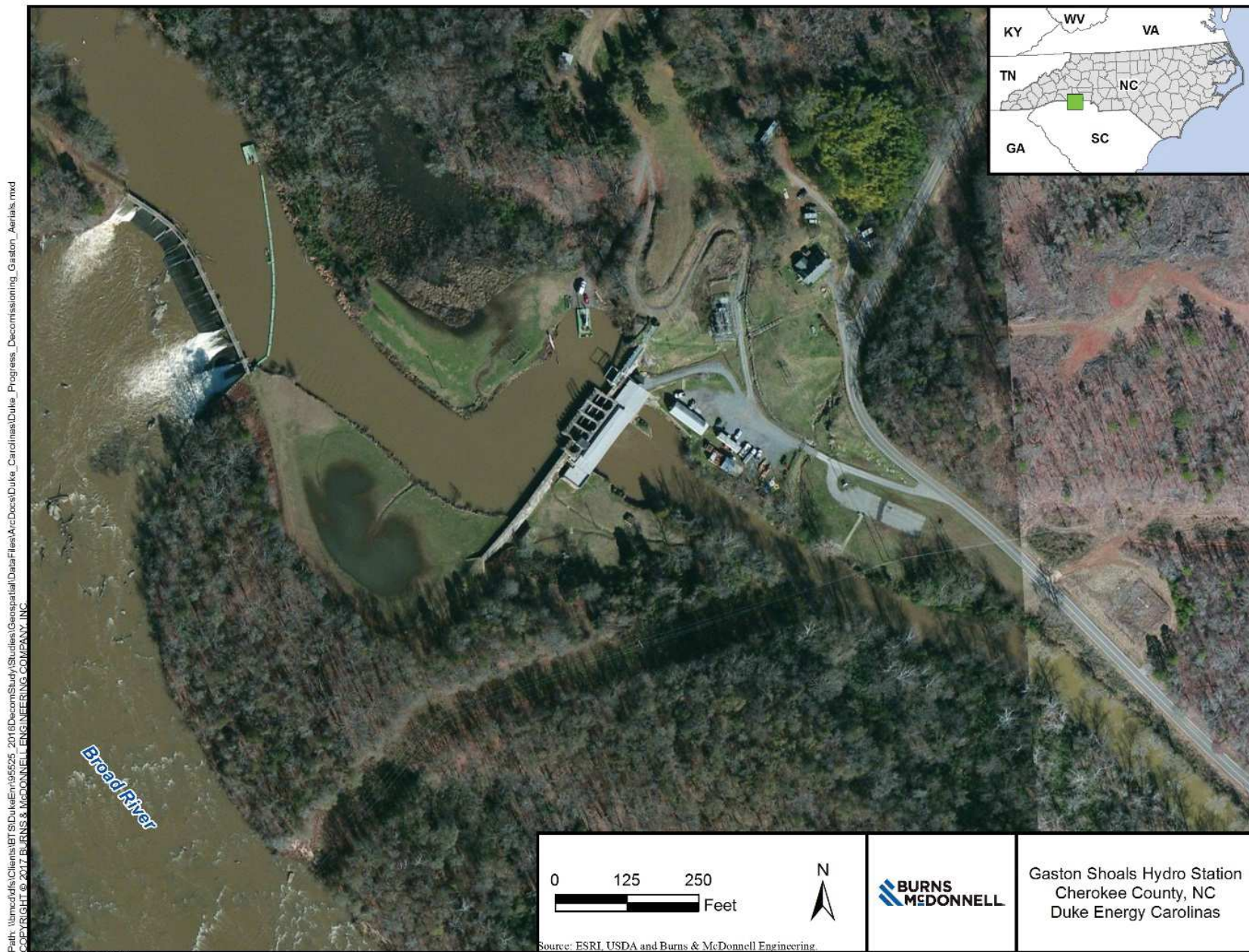


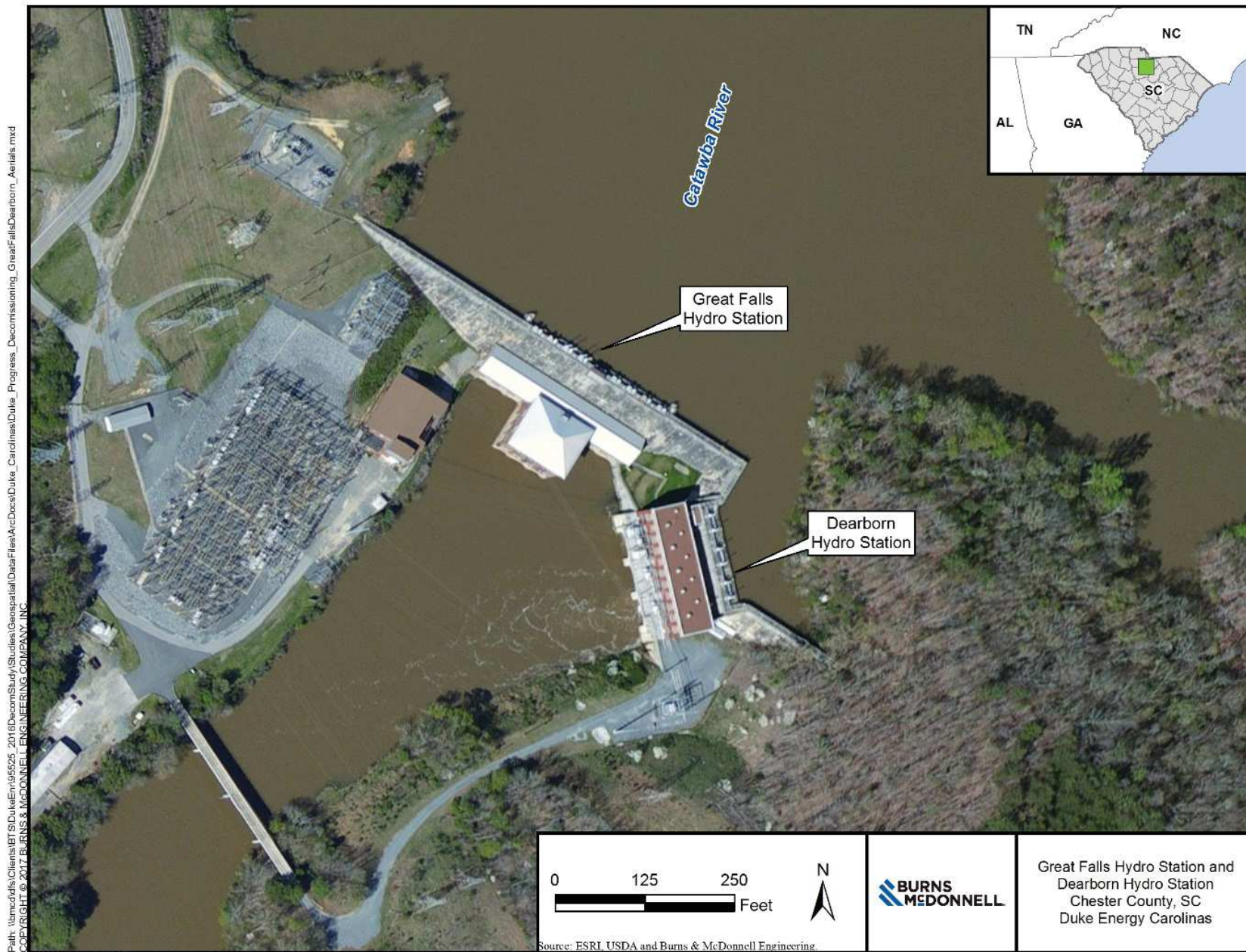


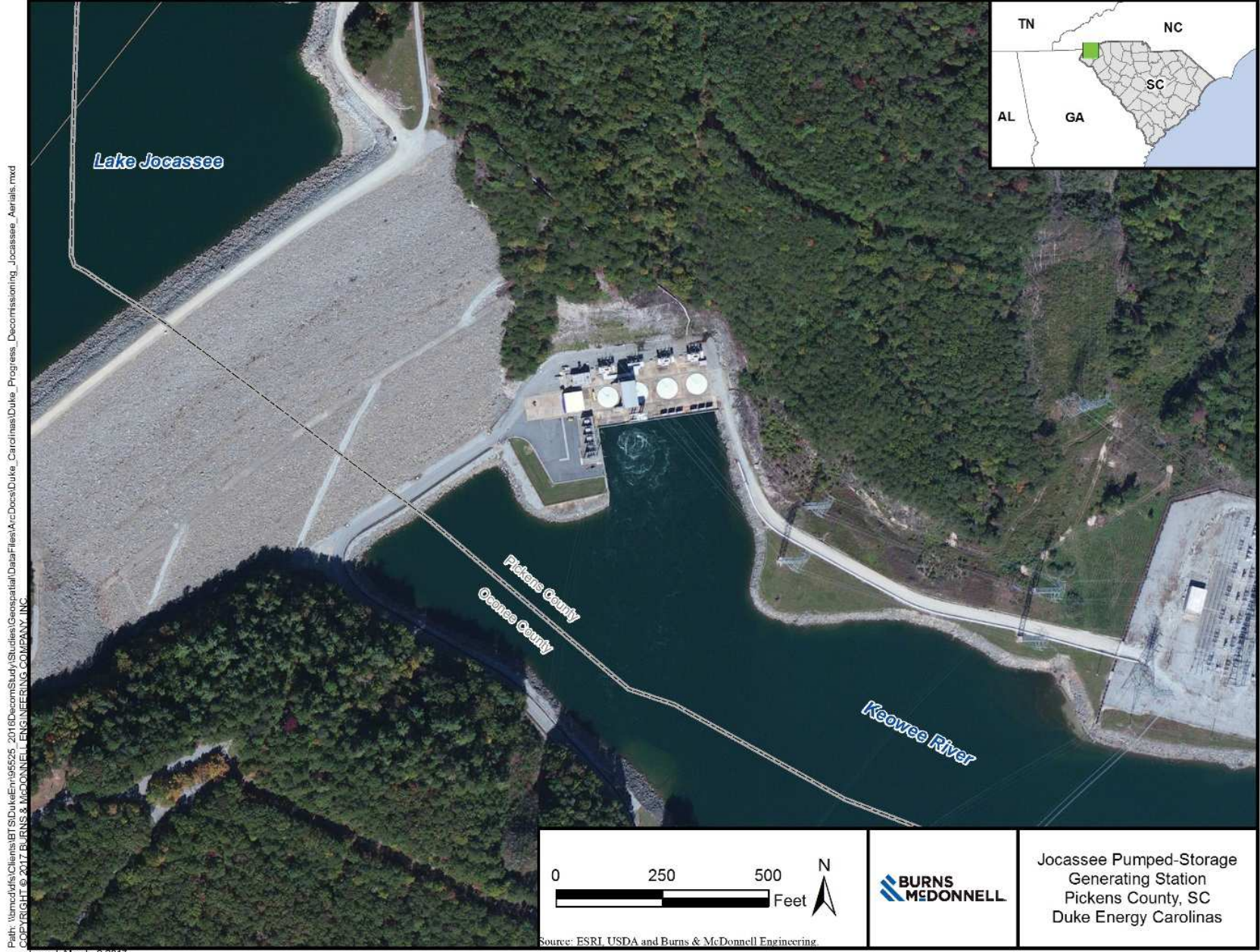


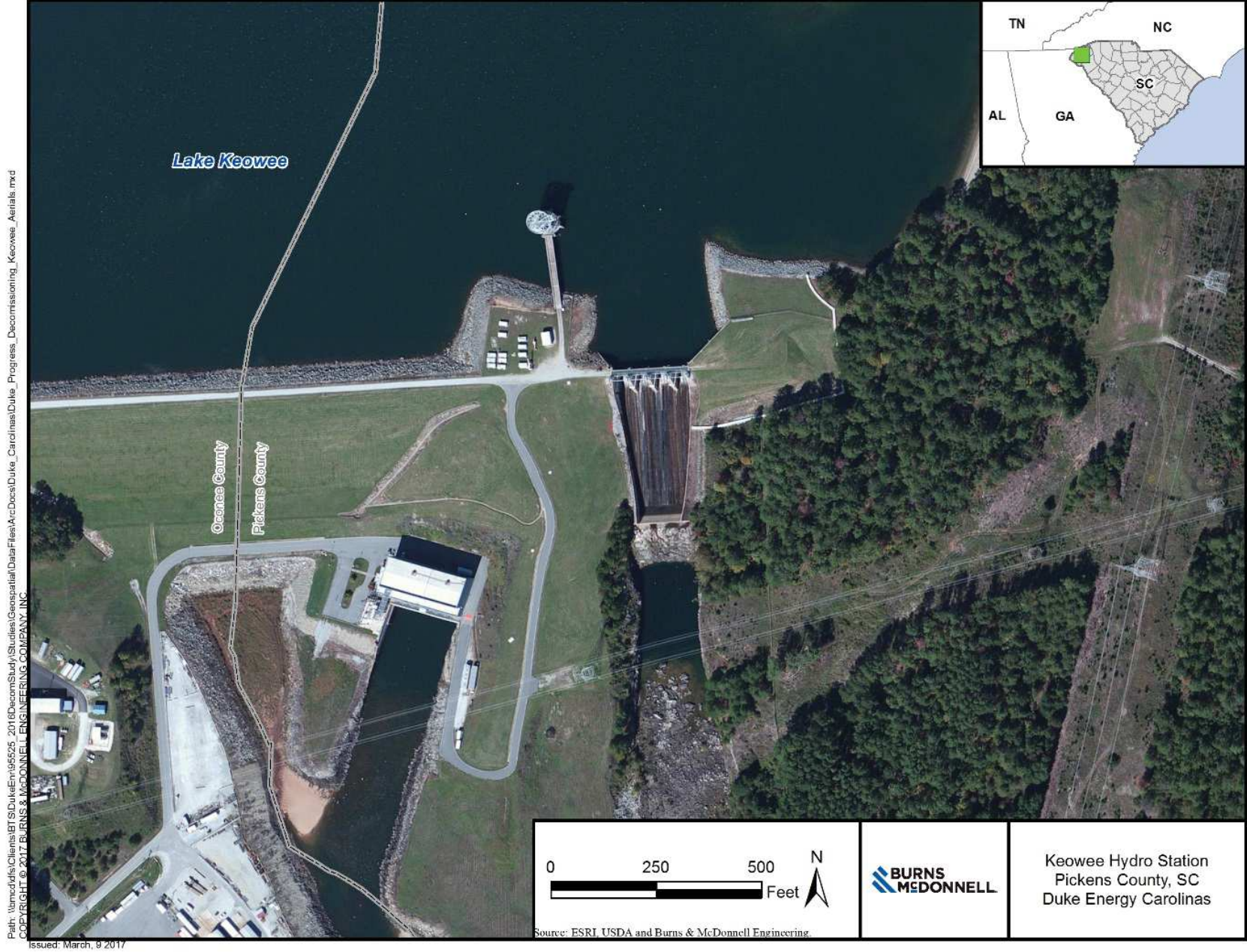
Issued: March, 9 2017

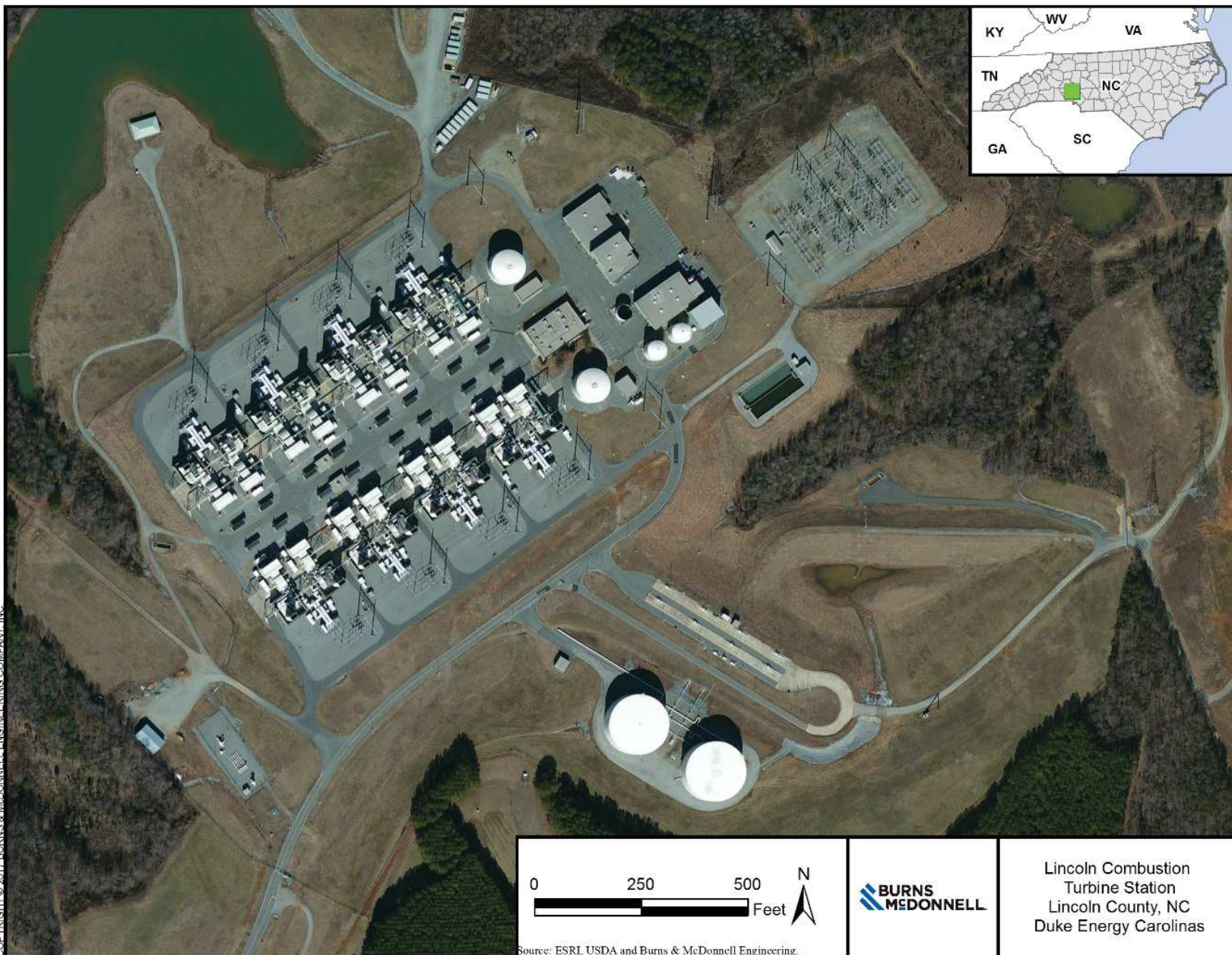








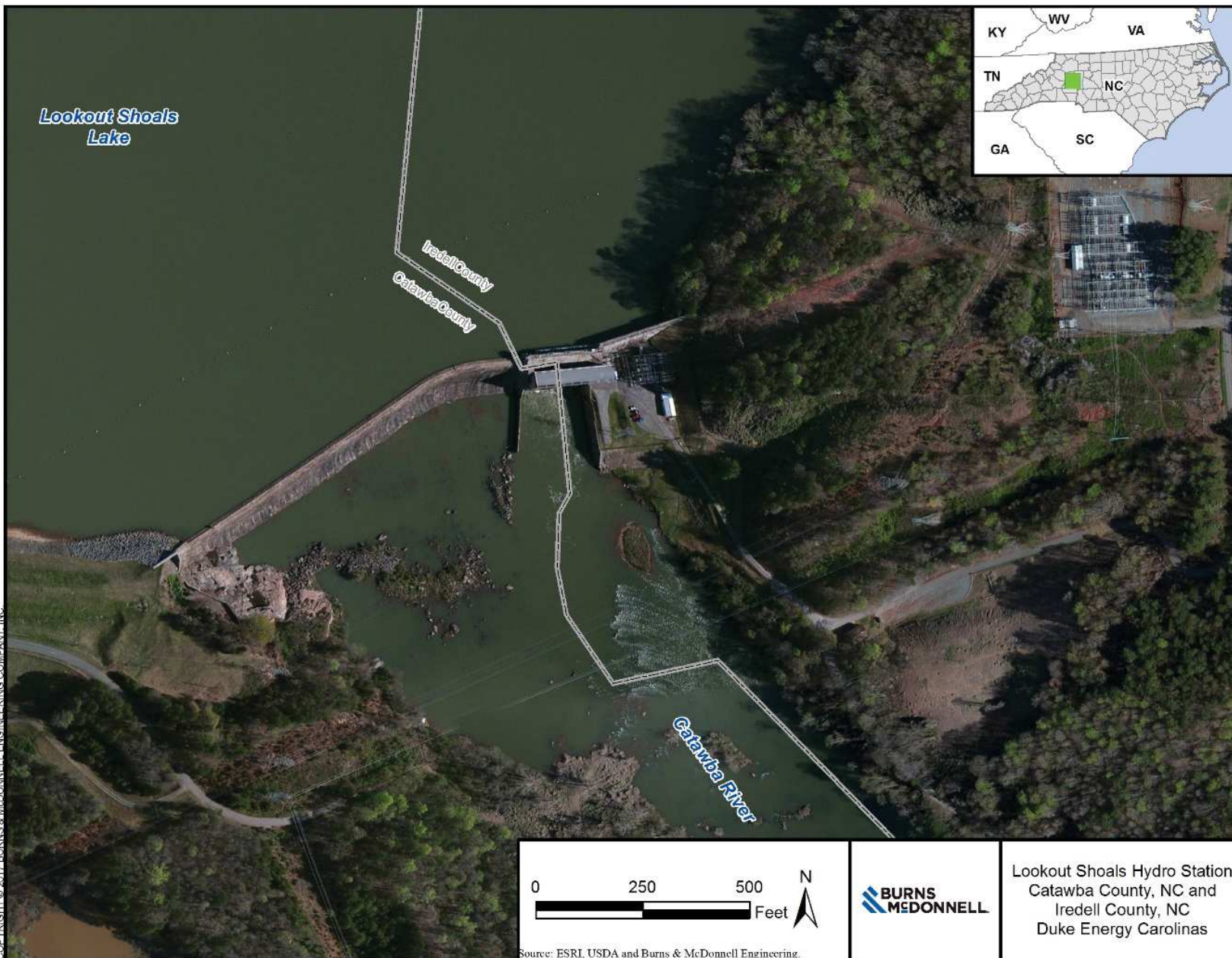




Path: \\namcd\dfs\clients\BT\S\Lincoln\2016Decommissioning\Lincoln_Aerials.mxd
COPYRIGHT © 2017 BURNS & McDONNELL ENGINEERING COMPANY, INC.

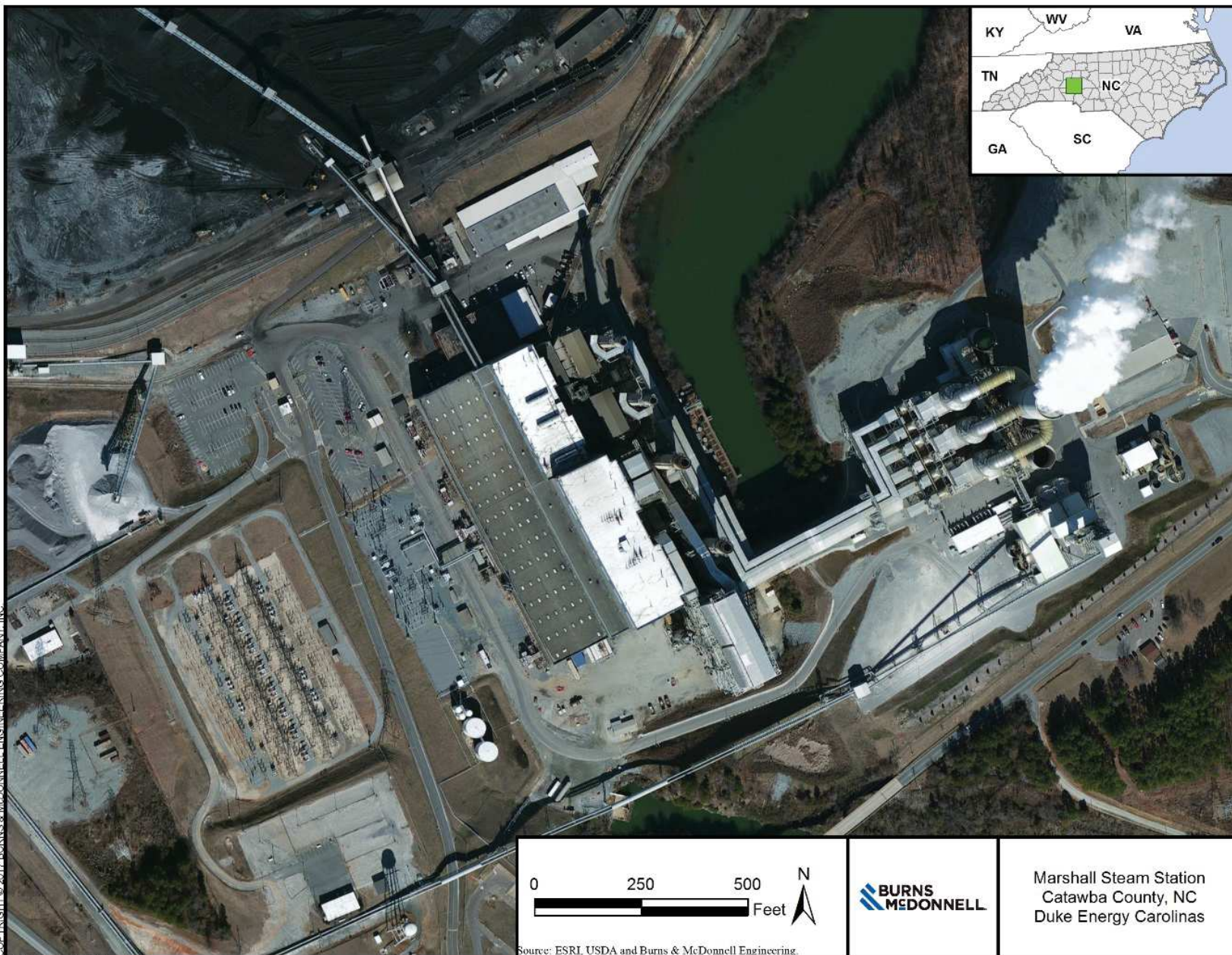
Issued: March, 9 2017

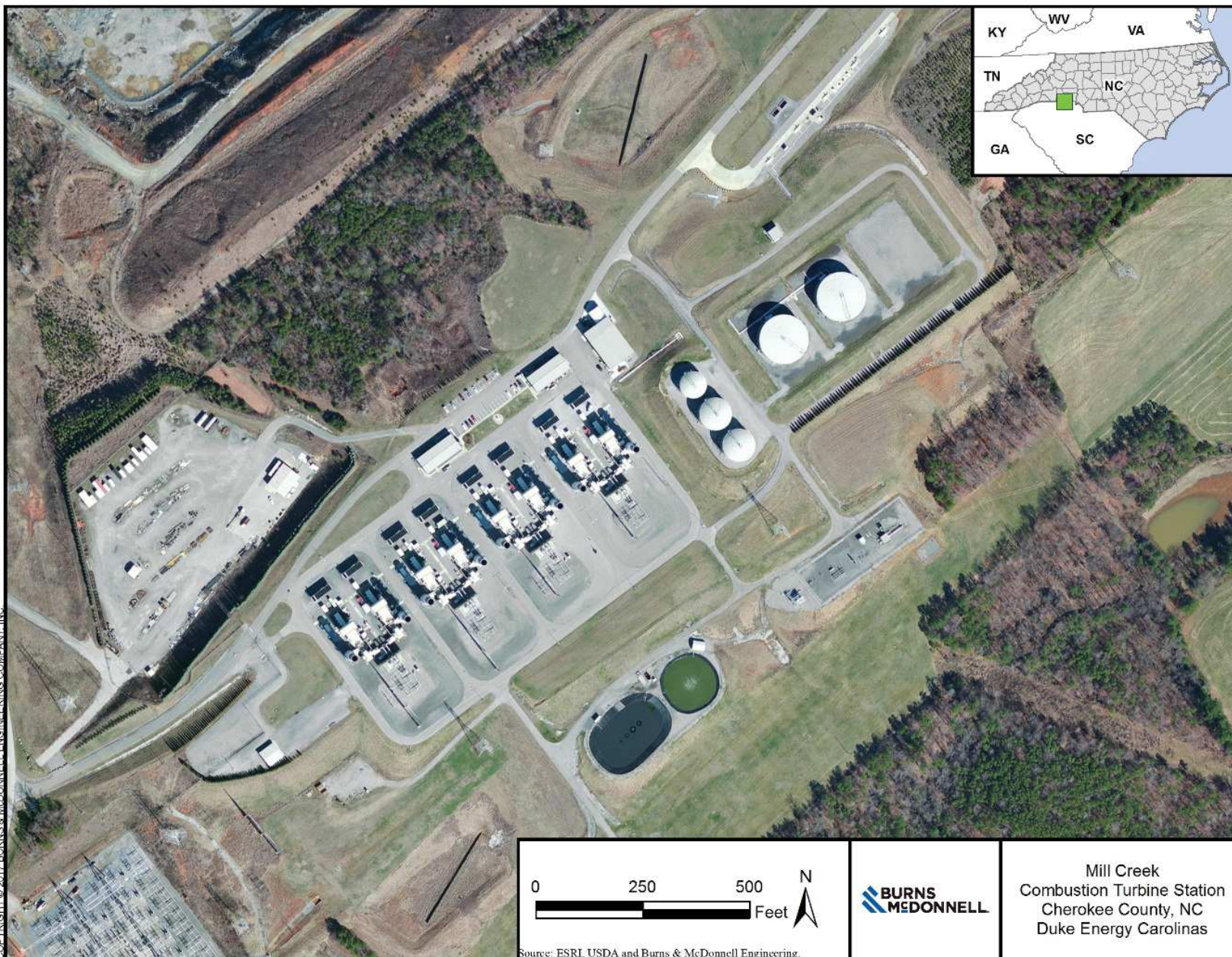
Source: ESRI, USDA and Burns & McDonnell Engineering



Path: \\namcd\dfs\clients\BTS\Study\2016Decommissioning\Lookout_Aerials.mxd
COPYRIGHT © 2017 BURNS & McDONNELL ENGINEERING COMPANY, INC.

Issued: March, 9 2017

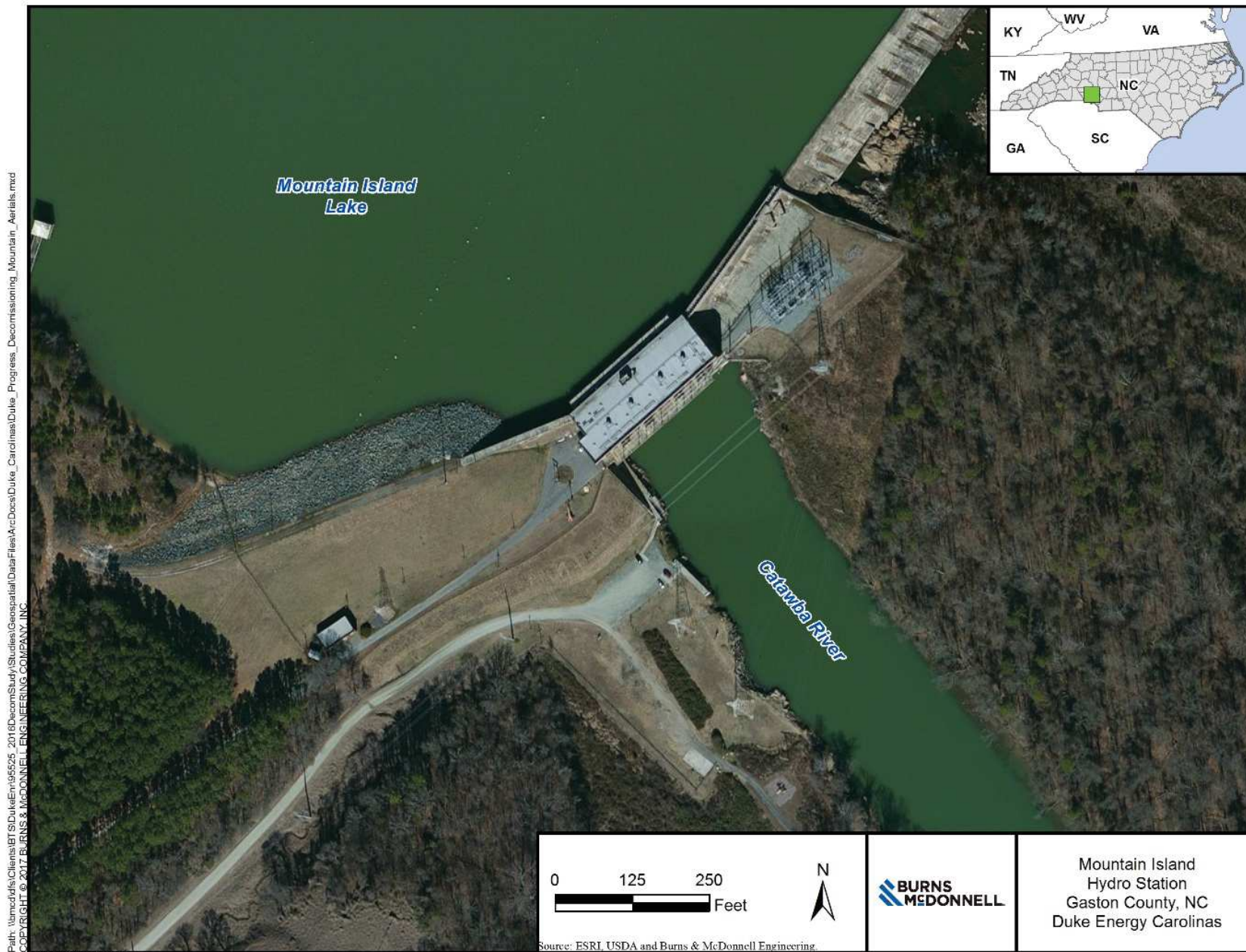


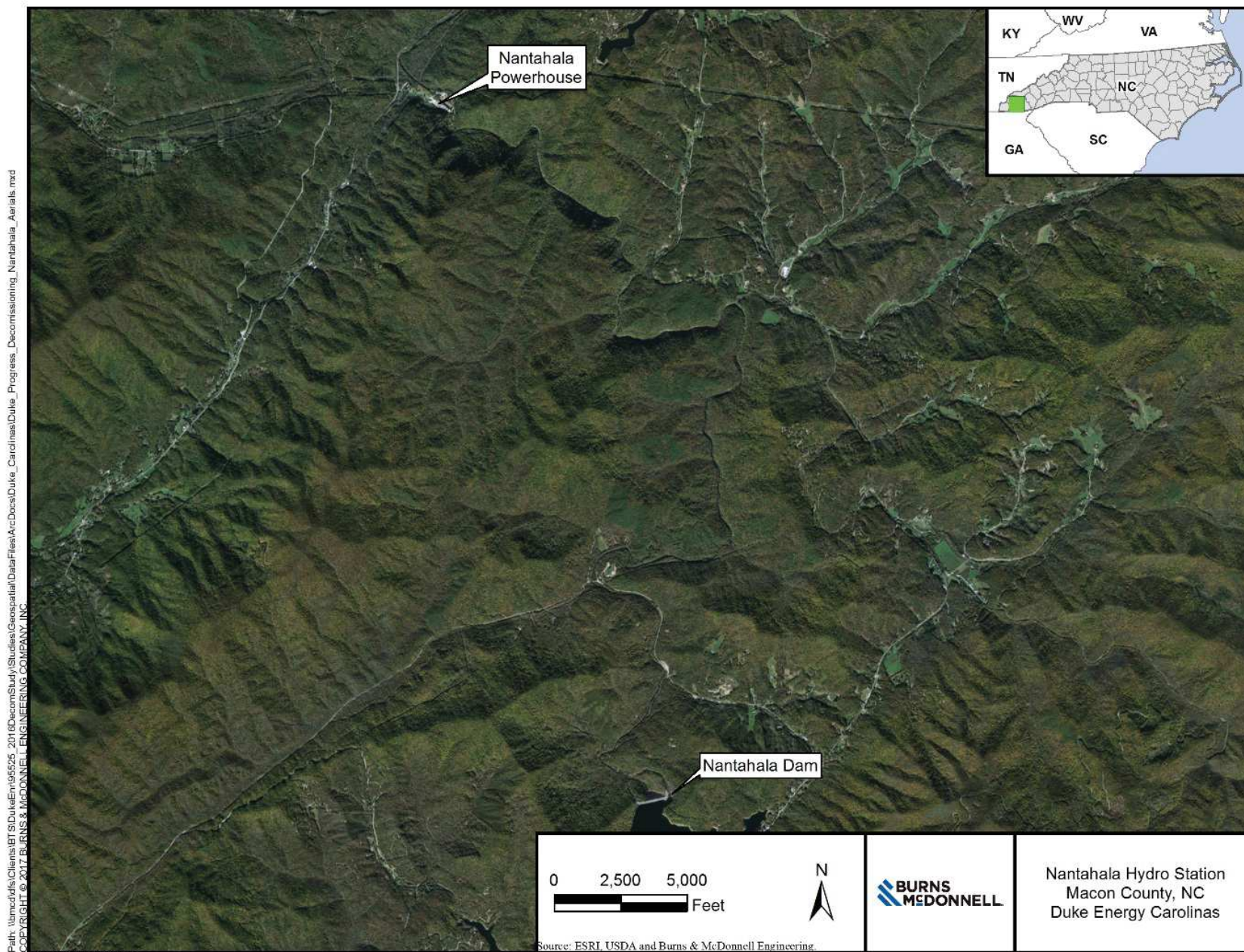


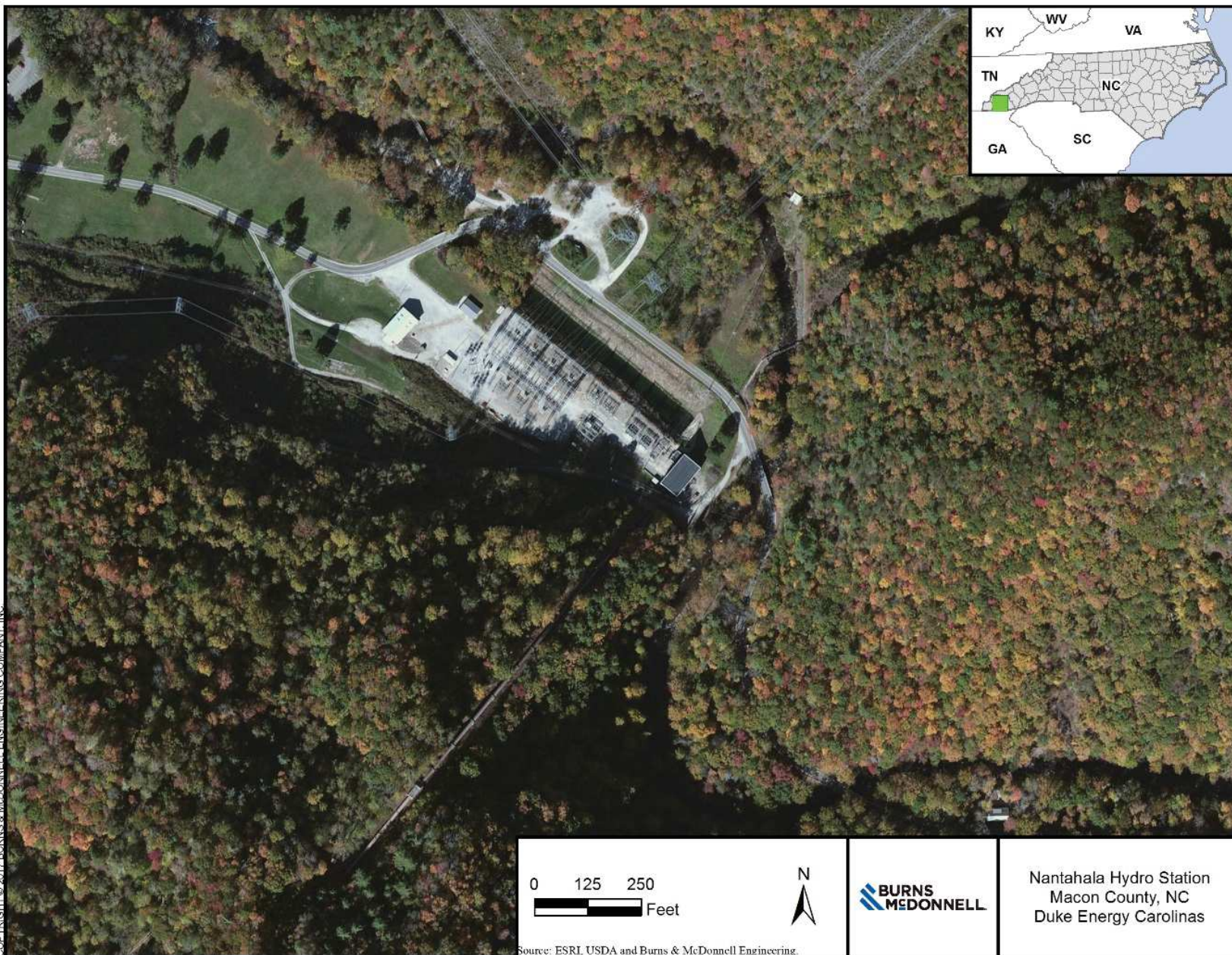
Path: \\amcd\dfs\clients\BT\S\duke\emr\95525_2016DecomStudy\Studies\Geospatial\DataFiles\AccDocs\duke_carolinas\duke_carolinas\Aerials.mxd
COPYRIGHT © 2017 BURNS & McDONNELL ENGINEERING COMPANY, INC.

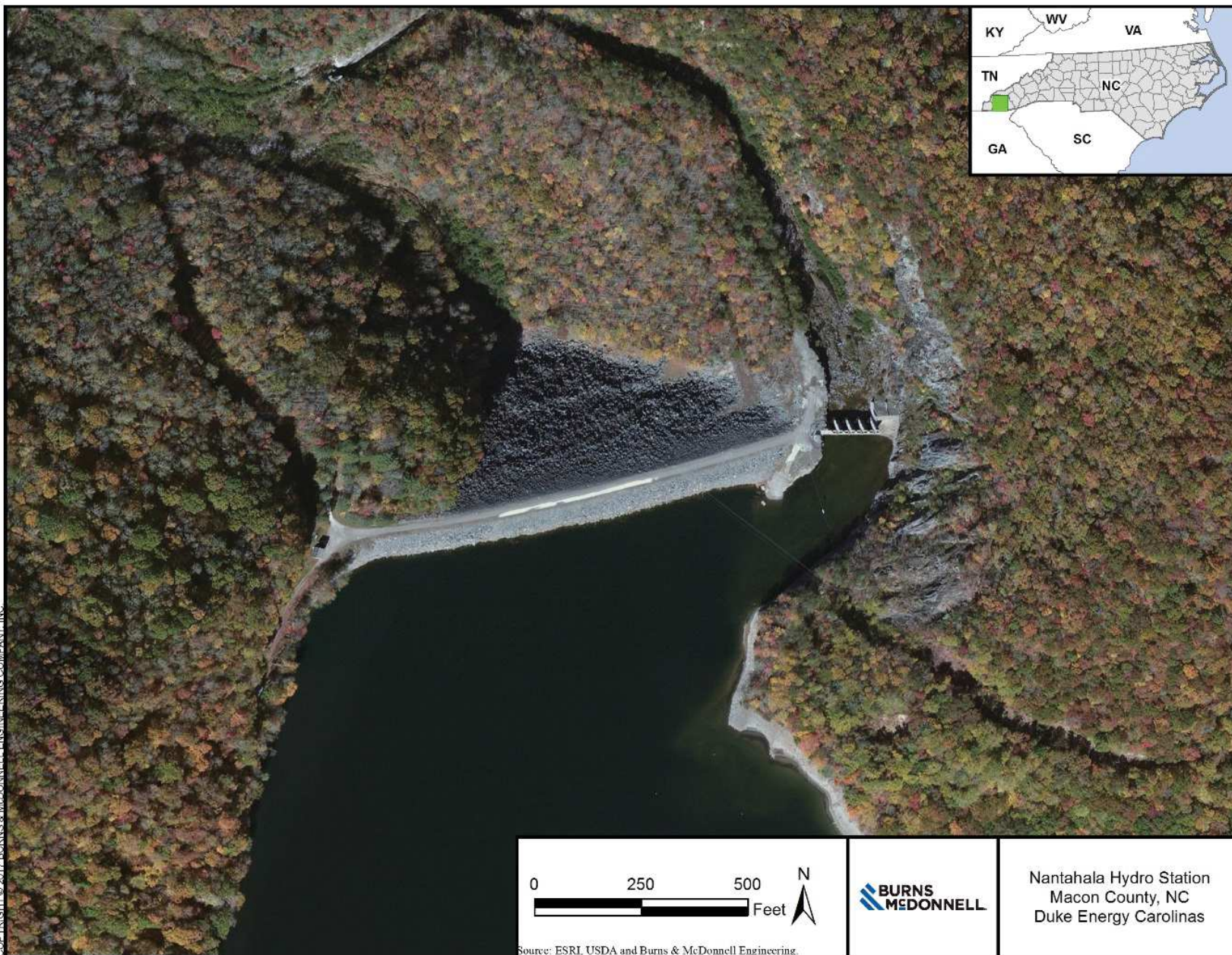
Issued: March, 9 2017

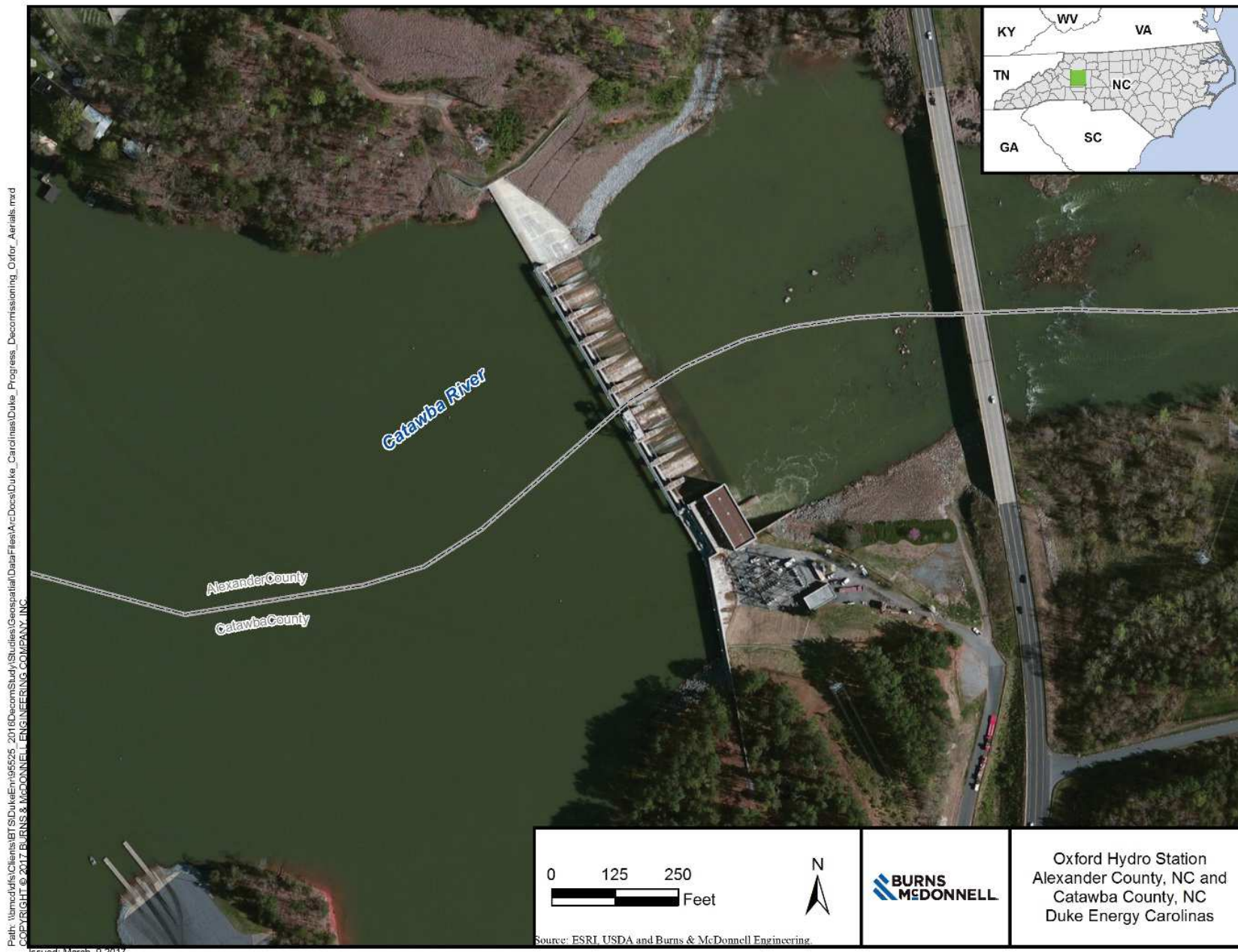


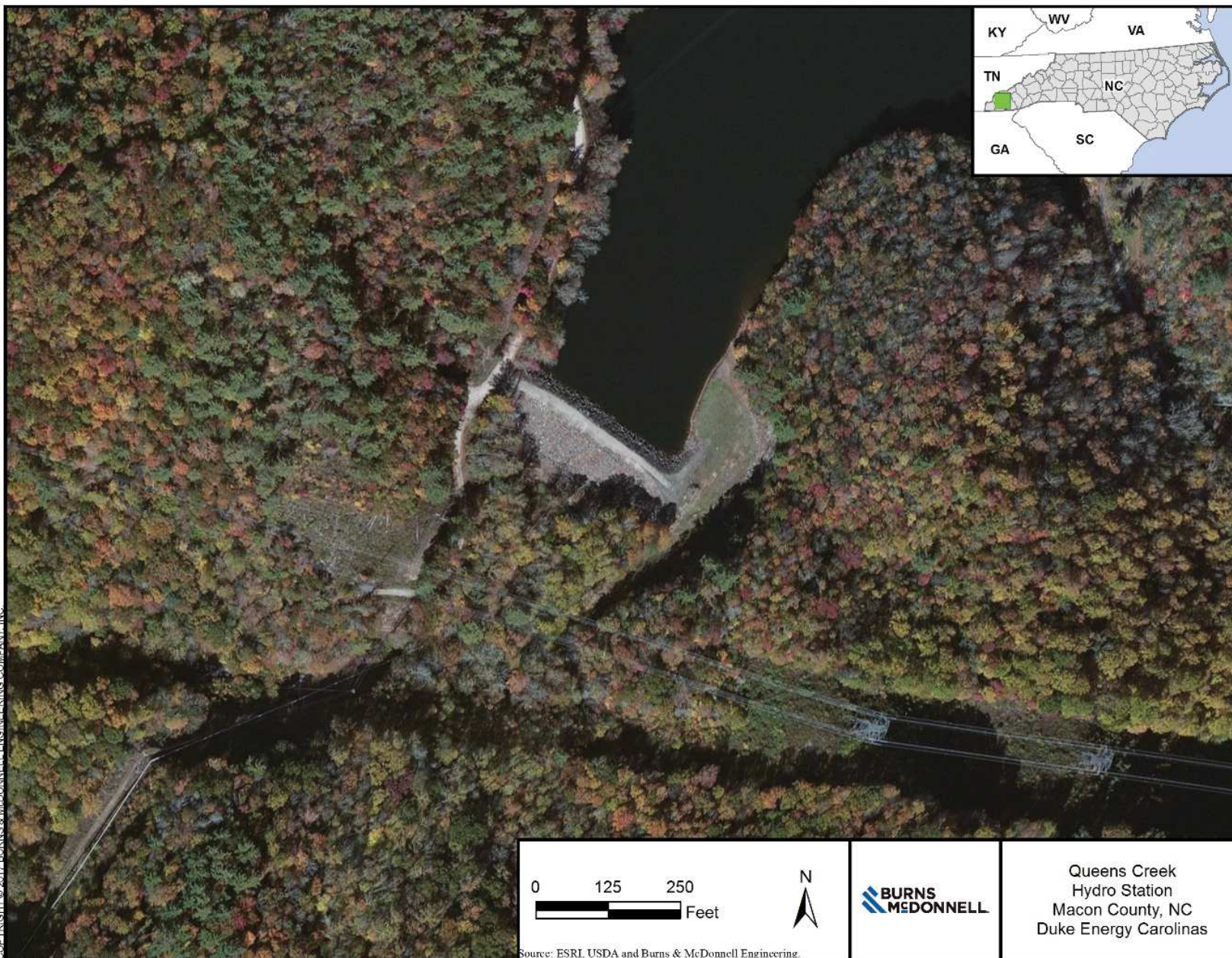






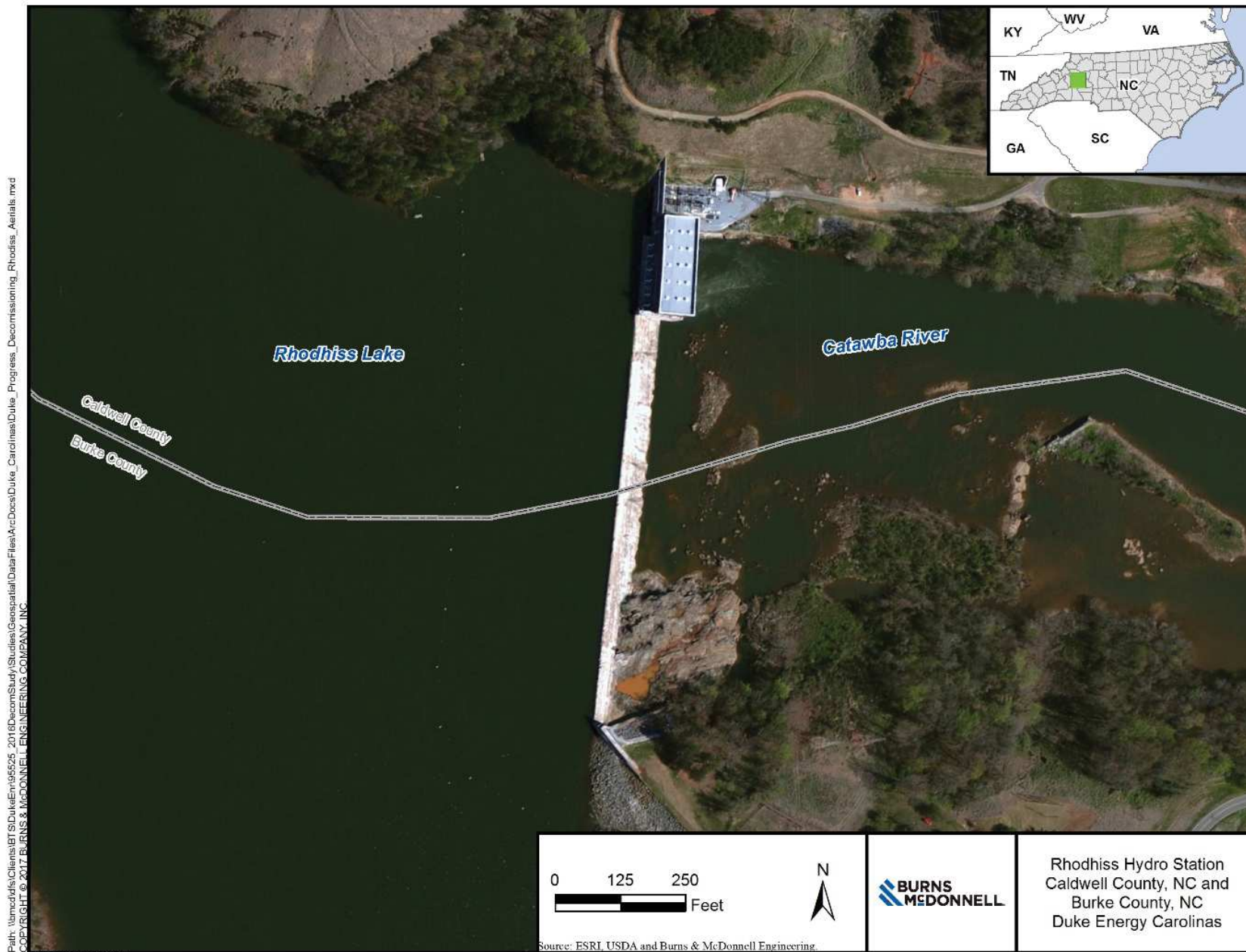


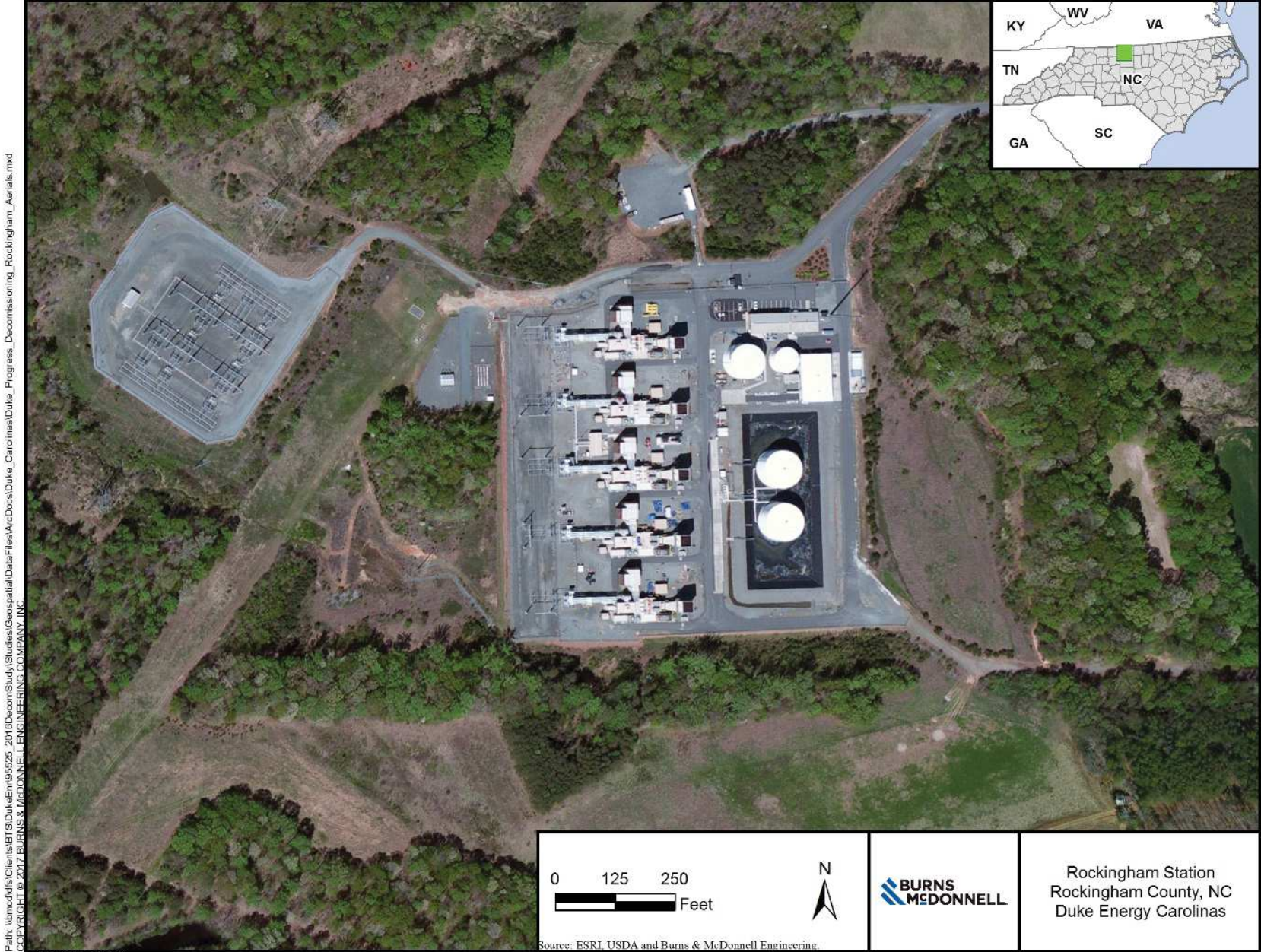




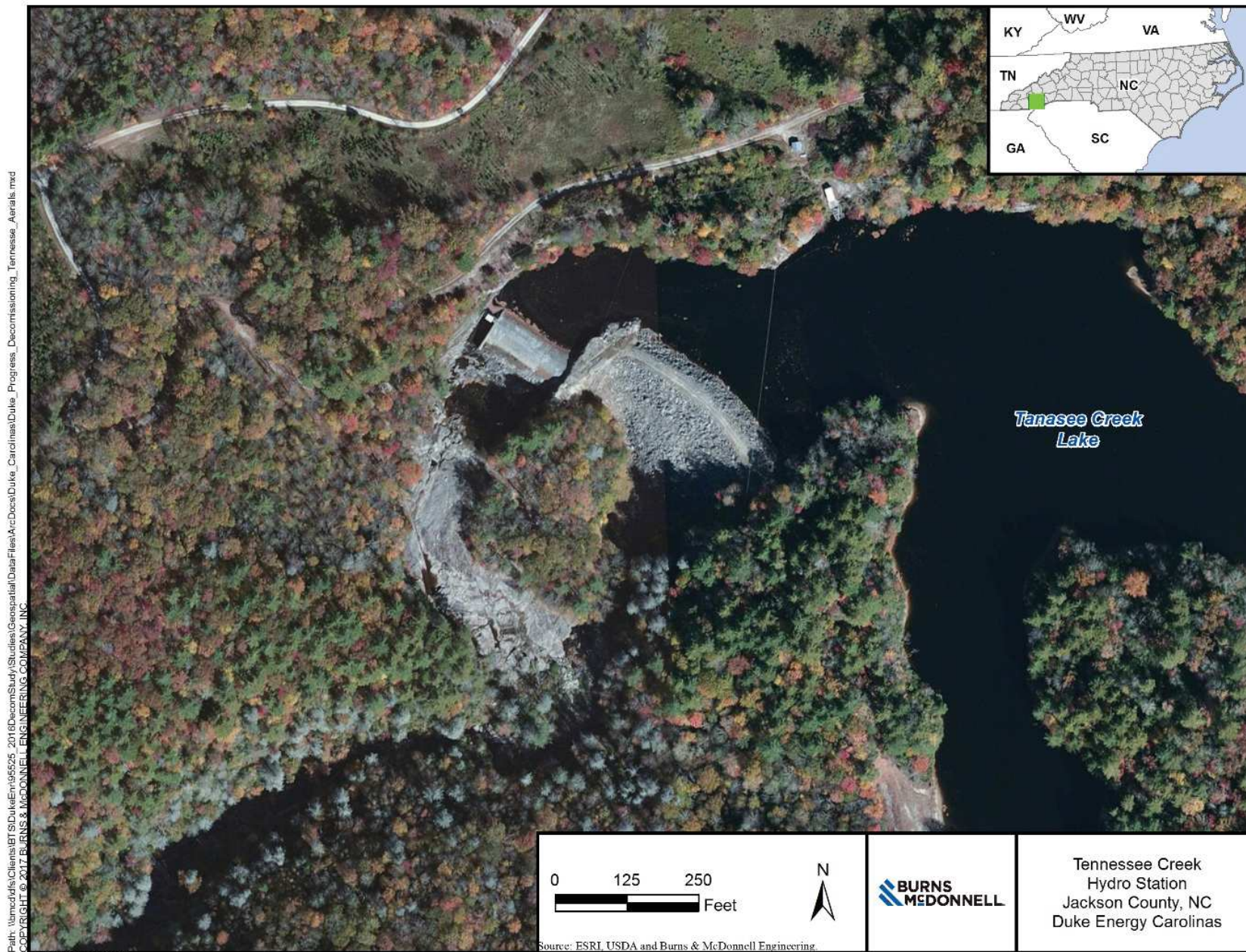
Issued: March, 9 2017

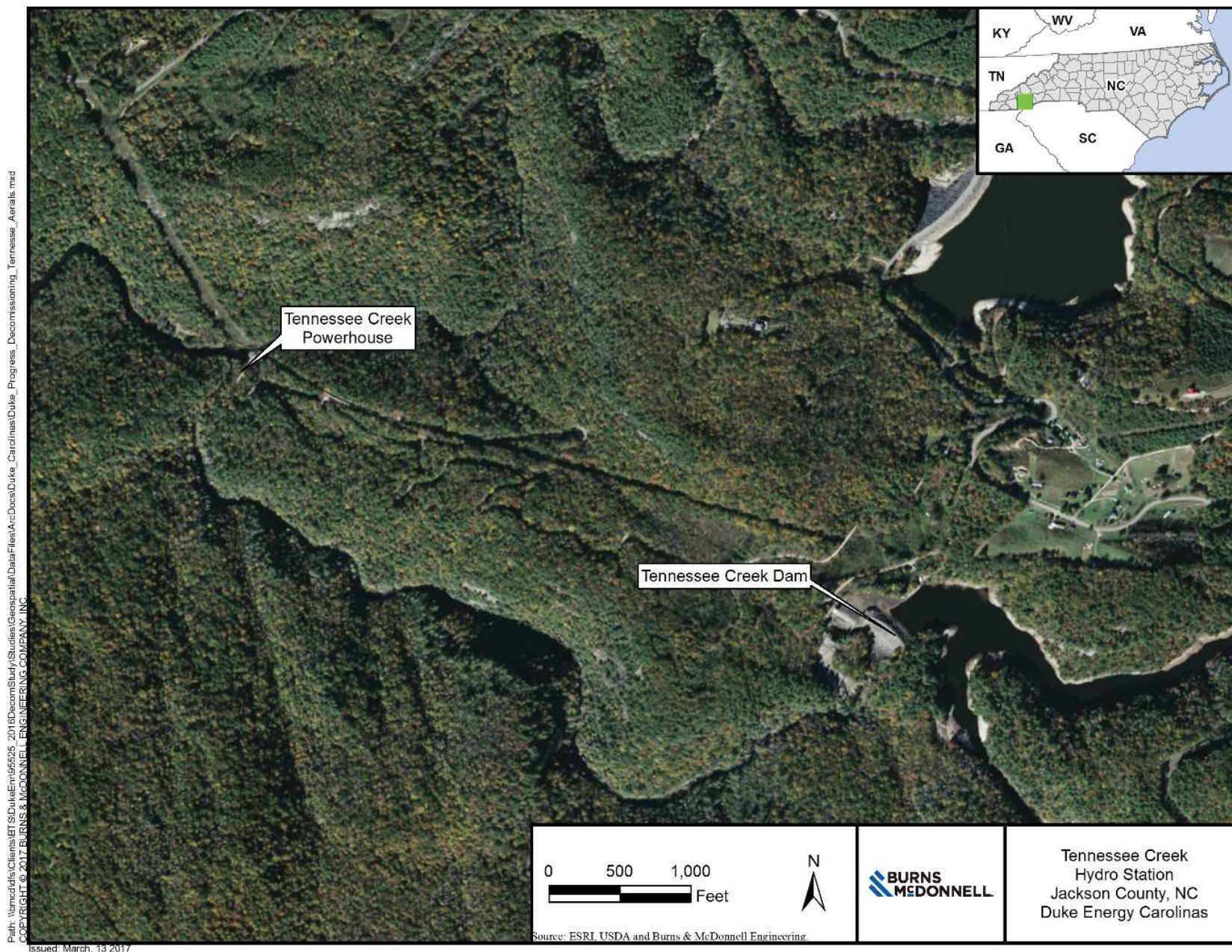
Source: ESRI, USDA and Burns & McDonnell Engineering.

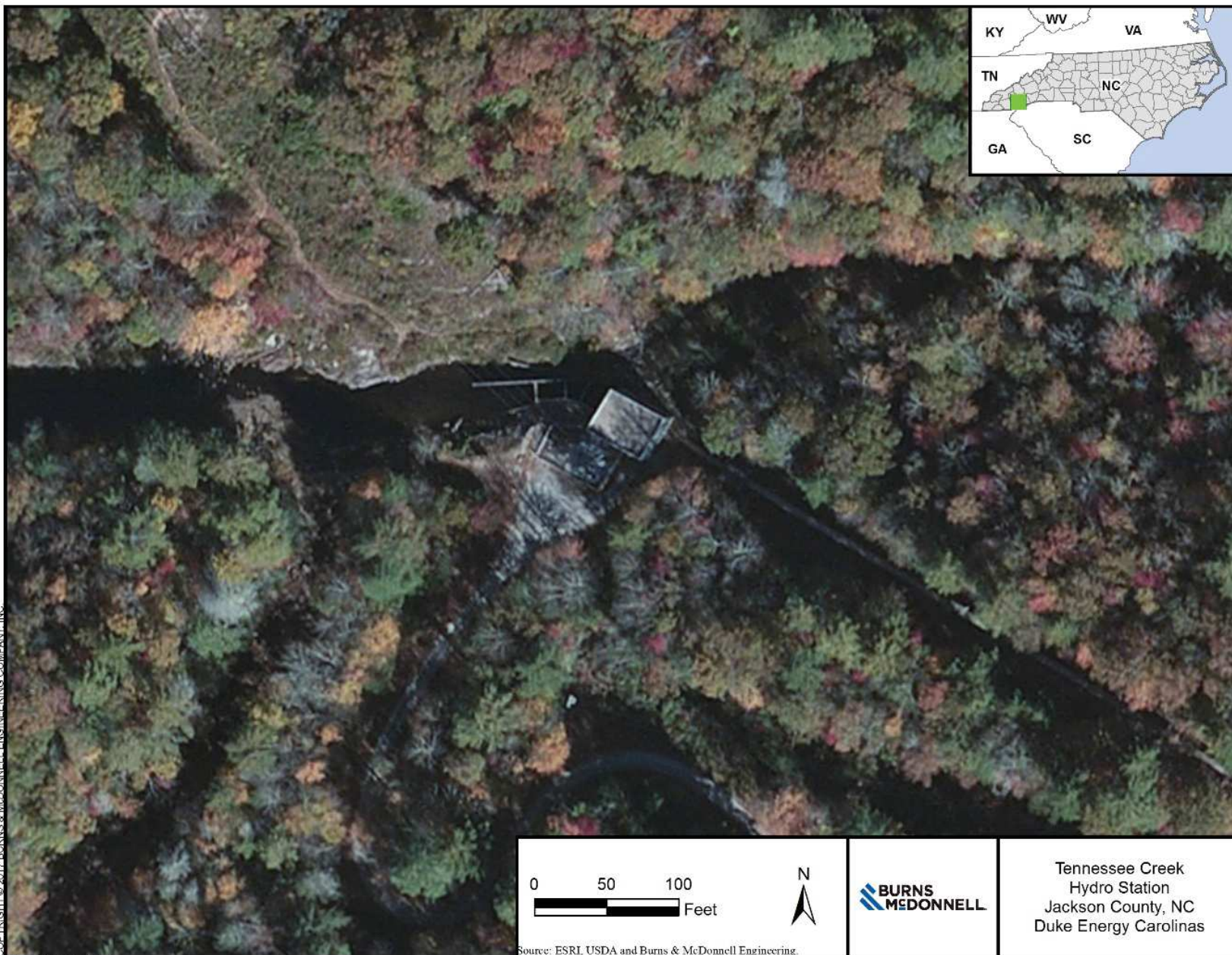


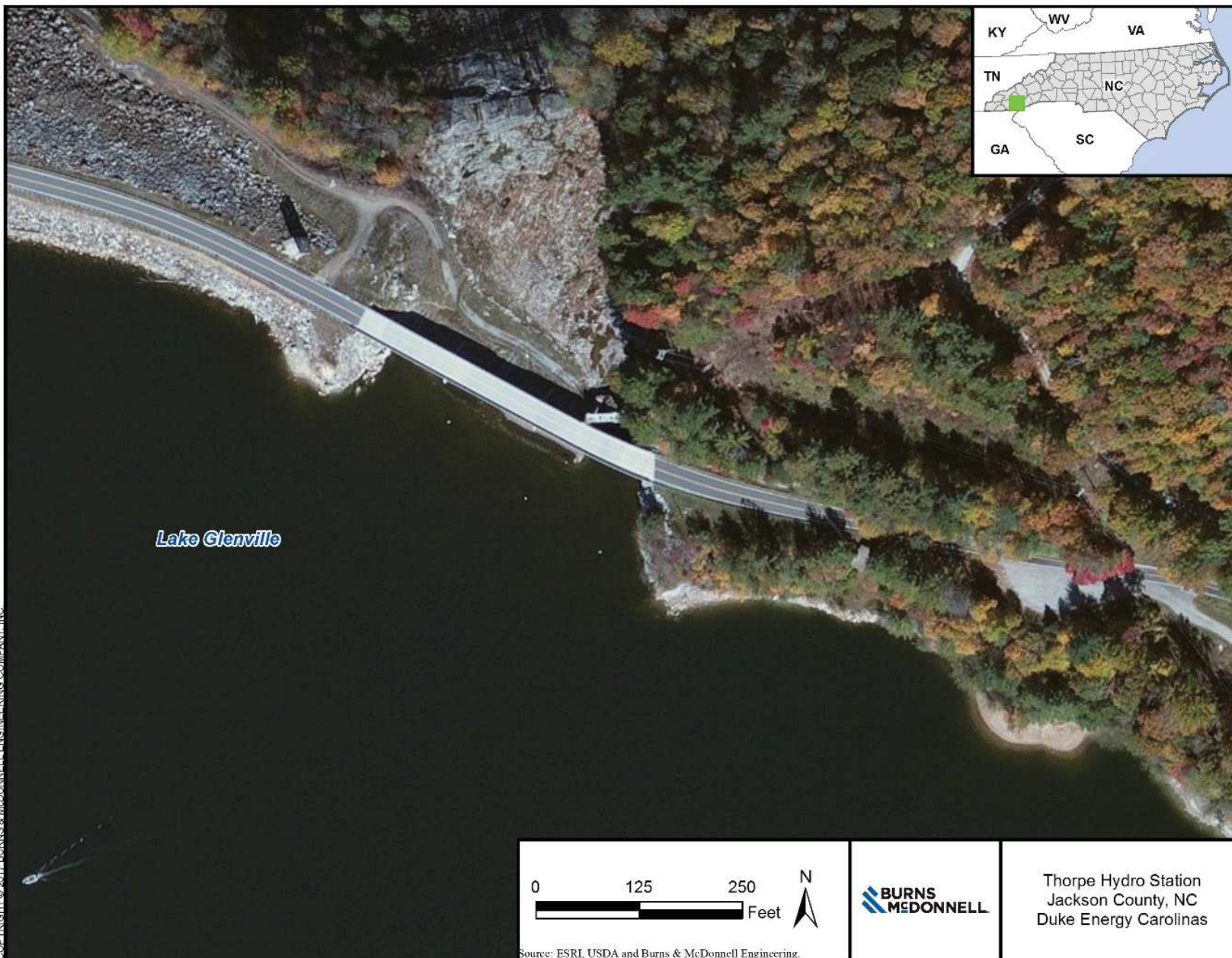


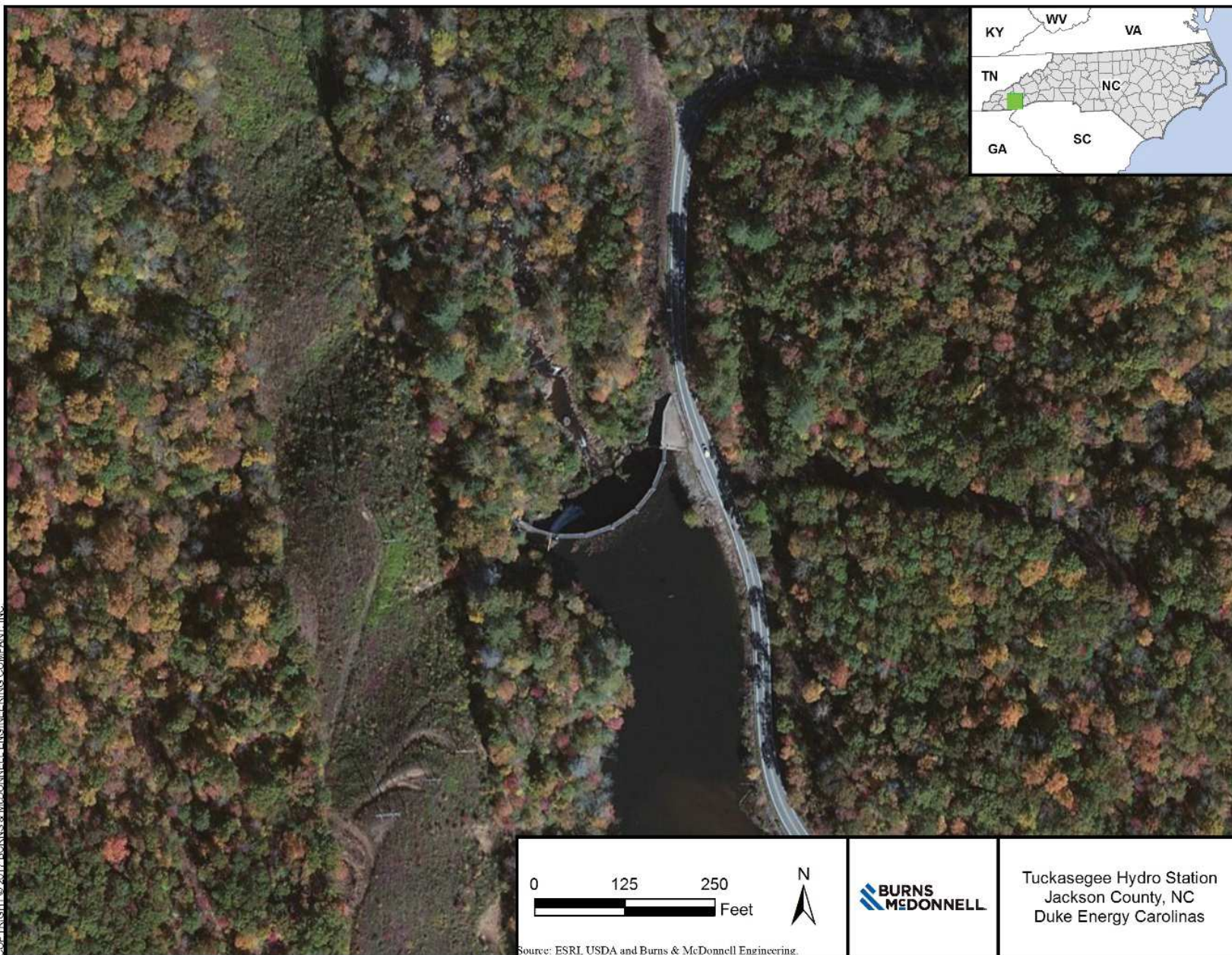
Issued: March, 9 2017



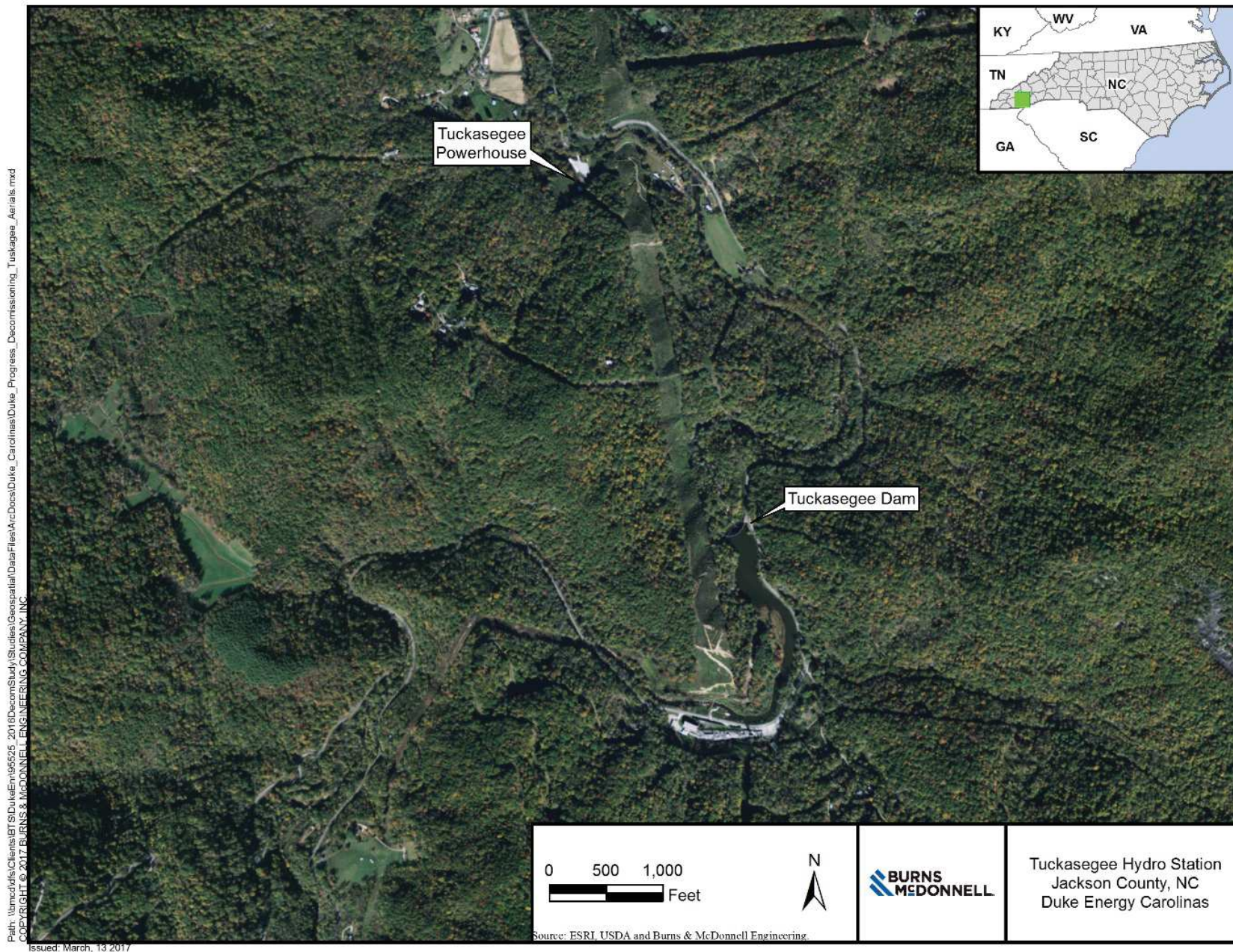


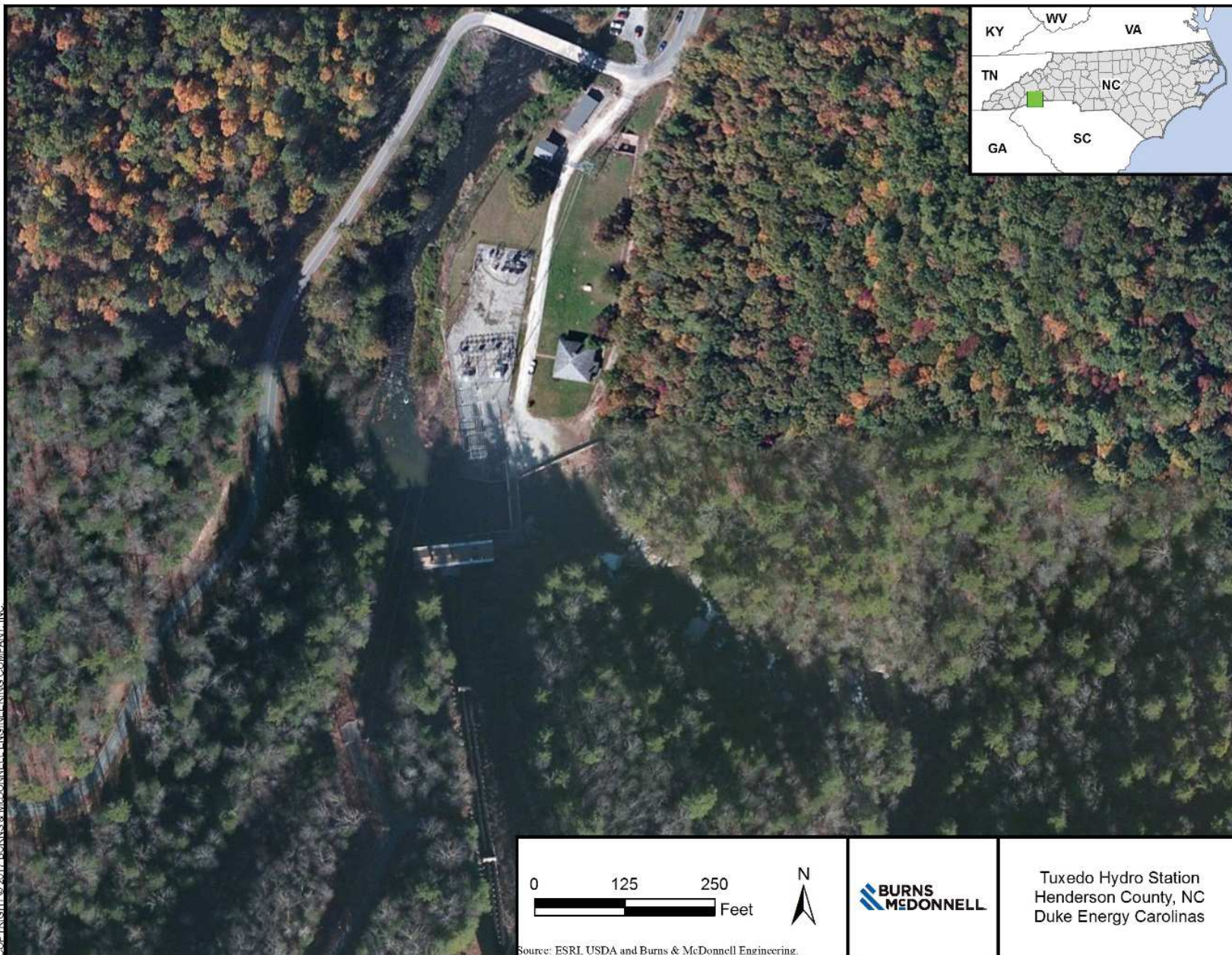


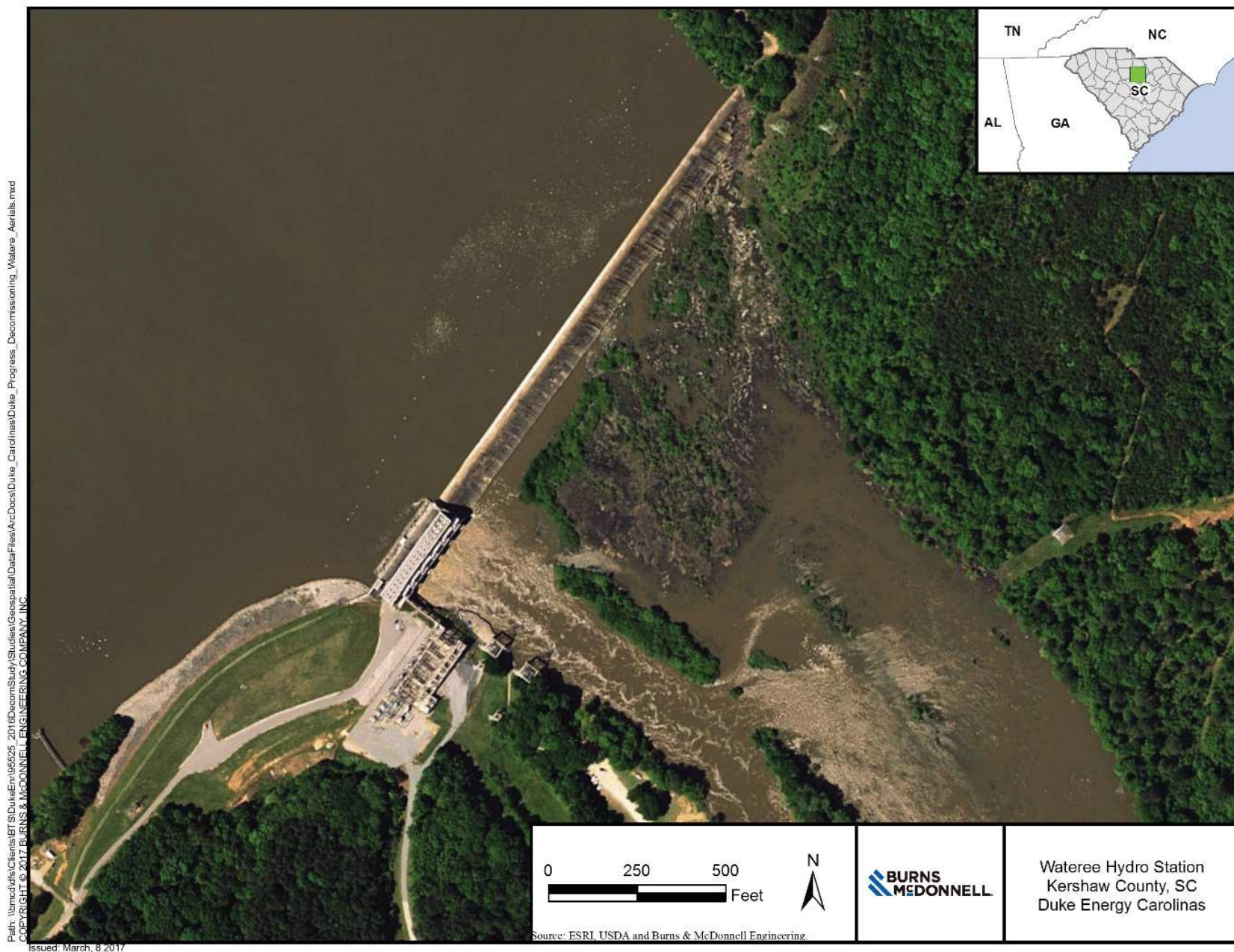


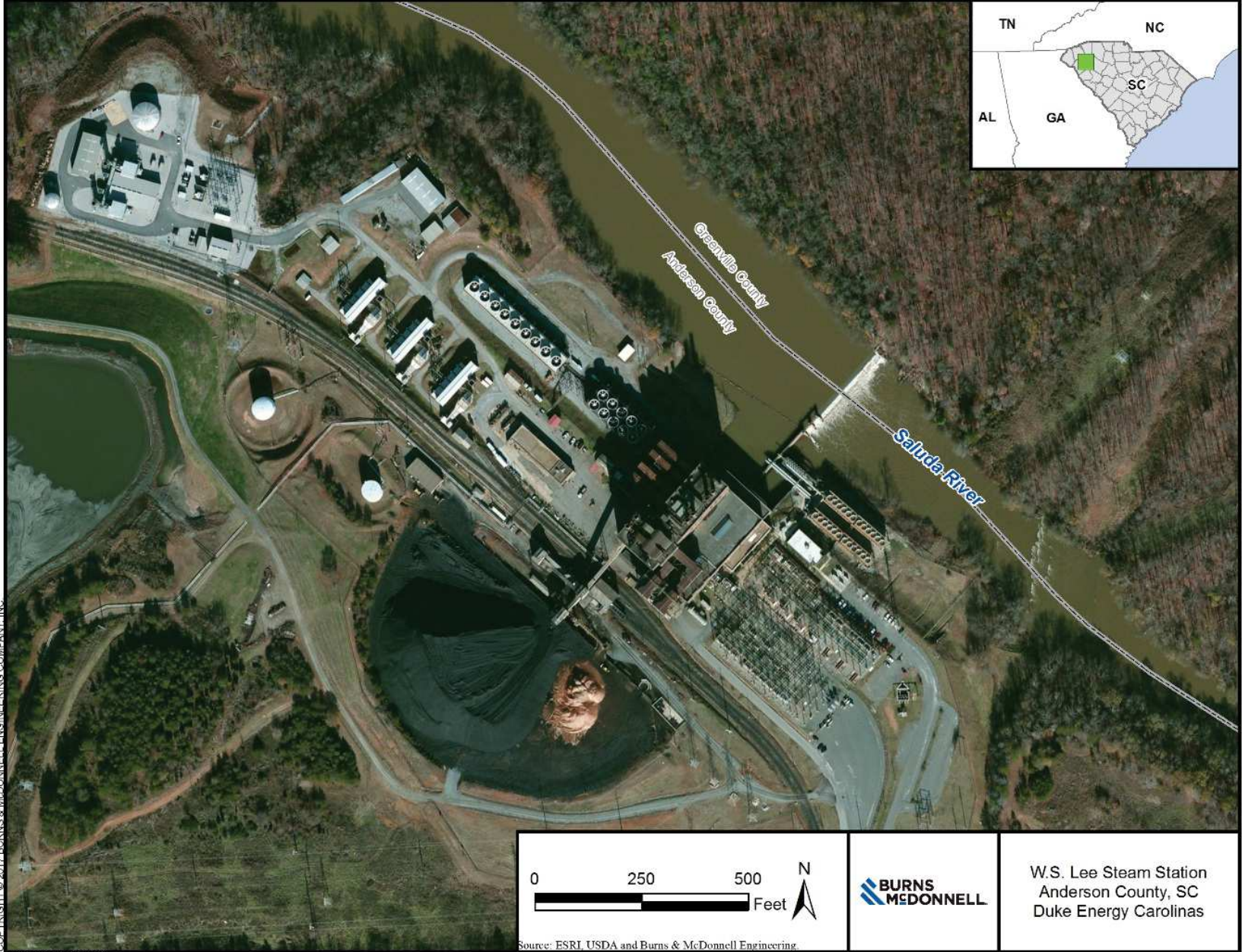


Issued: March, 13 2017









Path: \\amcd\dfs\Clients\BT\S\LakeEmr\95525_2016DecomStudy\Studies\Geospatial\DataFiles\ArcDocs\Duke_Carolinas\Duke_Progress_Decommissioning_Wylie_Aerials.mxd
COPYRIGHT © 2017 BURNS & MCDONNELL ENGINEERING COMPANY, INC.



APPENDIX B - COST ESTIMATE SUMMARIES

Table B-1
99 Islands Hydro Station
Decommissioning Cost Summary

	Labor	Material and Equipment	Disposal	Environmental	Total Cost	Scrap Value
99 Islands Hydro Station						
<i>99 Islands Hydro Station: Unit 1</i>						
Demolition	\$ 1,035,000	\$ 1,088,000	\$ -	\$ -	\$ 2,123,000	\$ -
Debris	\$ -	\$ -	\$ 3,000	\$ -	\$ 3,000	\$ -
On Site Crushing	\$ -	\$ -	\$ 1,000	\$ -	\$ 1,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (215,000)
Subtotal	\$ 1,035,000	\$ 1,088,000	\$ 4,000	\$ -	\$ 2,127,000	\$ (215,000)
<i>99 Islands Hydro Station: Facilities Environmental</i>						
Asbestos Removal	\$ -	\$ -	\$ -	\$ 129,000	\$ 129,000	\$ -
Mercury & Universal Waste Disposal	\$ -	\$ -	\$ -	\$ 11,000	\$ 11,000	\$ -
Transformer Oil Disposal	\$ -	\$ -	\$ -	\$ 6,000	\$ 6,000	\$ -
Transformer Pad and Soil Removal	\$ -	\$ -	\$ -	\$ 5,000	\$ 5,000	\$ -
Subtotal	\$ -	\$ -	\$ -	\$ 151,000	\$ 151,000	\$ -
99 Islands Hydro Station Subtotal	\$ 1,035,000	\$ 1,088,000	\$ 4,000	\$ 151,000	\$ 2,278,000	\$ (215,000)
TOTAL DECOM COST (CREDIT)					\$ 2,278,000	\$ (215,000)
PROJECT INDIRECTS (5%)					\$ 114,000	
CONTINGENCY (20%)					\$ 456,000	
TOTAL PROJECT COST (CREDIT)					\$ 2,848,000	\$ (215,000)
TOTAL NET PROJECT COST (CREDIT)					\$ 2,633,000	

Table B-2
Allen
Decommissioning Cost Summary

	Labor	Material and Equipment	Disposal	Environmental	Total Cost	Scrap Value
Allen						
<i>Unit 1</i>						
Asbestos Removal	\$ -	\$ -	\$ -	\$ 932,000	\$ 932,000	\$ -
Boiler	\$ 1,030,000	\$ 885,000	\$ -	\$ -	\$ 1,915,000	\$ -
Steam Turbine & Building	\$ 647,000	\$ 556,000	\$ -	\$ -	\$ 1,203,000	\$ -
Cooling Water Intakes and Circulating Water Pumps	\$ 1,000	\$ 1,000	\$ -	\$ 120,000	\$ 122,000	\$ -
Precipitator	\$ 309,000	\$ 266,000	\$ -	\$ -	\$ 575,000	\$ -
Switchgear & Electrical	\$ 5,000	\$ 4,000	\$ -	\$ -	\$ 9,000	\$ -
Scrubber / FGD	\$ 215,000	\$ 185,000	\$ -	\$ -	\$ 400,000	\$ -
Stacks	\$ 65,000	\$ 56,000	\$ -	\$ -	\$ 121,000	\$ -
GSU & Foundation	\$ 51,000	\$ 43,000	\$ -	\$ -	\$ 94,000	\$ -
On-site Concrete Crushing & Disposal	\$ -	\$ -	\$ 66,000	\$ -	\$ 66,000	\$ -
Debris	\$ -	\$ -	\$ 57,000	\$ -	\$ 57,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (1,962,000)
Subtotal	\$ 2,323,000	\$ 1,996,000	\$ 123,000	\$ 1,052,000	\$ 5,494,000	\$ (1,962,000)
<i>Unit 2</i>						
Asbestos Removal	\$ -	\$ -	\$ -	\$ 932,000	\$ 932,000	\$ -
Boiler	\$ 1,030,000	\$ 885,000	\$ -	\$ -	\$ 1,915,000	\$ -
Steam Turbine & Building	\$ 647,000	\$ 556,000	\$ -	\$ -	\$ 1,203,000	\$ -
Cooling Water Intakes and Circulating Water Pumps	\$ 1,000	\$ 1,000	\$ -	\$ 96,000	\$ 98,000	\$ -
Precipitator	\$ 309,000	\$ 266,000	\$ -	\$ -	\$ 575,000	\$ -
Switchgear & Electrical	\$ 5,000	\$ 4,000	\$ -	\$ -	\$ 9,000	\$ -
Scrubber / FGD	\$ 210,000	\$ 180,000	\$ -	\$ -	\$ 390,000	\$ -
Stacks	\$ 65,000	\$ 56,000	\$ -	\$ -	\$ 121,000	\$ -
GSU & Foundation	\$ 36,000	\$ 31,000	\$ -	\$ -	\$ 67,000	\$ -
On-site Concrete Crushing & Disposal	\$ -	\$ -	\$ 65,000	\$ -	\$ 65,000	\$ -
Debris	\$ -	\$ -	\$ 60,000	\$ -	\$ 60,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (1,932,000)
Subtotal	\$ 2,303,000	\$ 1,979,000	\$ 125,000	\$ 1,028,000	\$ 5,435,000	\$ (1,932,000)
<i>Unit 3</i>						
Asbestos Removal	\$ -	\$ -	\$ -	\$ 1,553,000	\$ 1,553,000	\$ -
Boiler	\$ 1,451,000	\$ 1,247,000	\$ -	\$ -	\$ 2,698,000	\$ -
Steam Turbine & Building	\$ 831,000	\$ 715,000	\$ -	\$ -	\$ 1,546,000	\$ -
Cooling Water Intakes and Circulating Water Pumps	\$ 1,000	\$ 1,000	\$ -	\$ 82,000	\$ 84,000	\$ -
Precipitator	\$ 433,000	\$ 372,000	\$ -	\$ -	\$ 805,000	\$ -
Switchgear & Electrical	\$ 5,000	\$ 4,000	\$ -	\$ -	\$ 9,000	\$ -
Scrubber / FGD	\$ 305,000	\$ 263,000	\$ -	\$ -	\$ 568,000	\$ -
Stacks	\$ 71,000	\$ 61,000	\$ -	\$ -	\$ 132,000	\$ -
GSU & Foundation	\$ 42,000	\$ 36,000	\$ -	\$ -	\$ 78,000	\$ -
On-site Concrete Crushing & Disposal	\$ -	\$ -	\$ 83,000	\$ -	\$ 83,000	\$ -
Debris	\$ -	\$ -	\$ 60,000	\$ -	\$ 60,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (2,731,000)
Subtotal	\$ 3,139,000	\$ 2,699,000	\$ 143,000	\$ 1,635,000	\$ 7,616,000	\$ (2,731,000)
<i>Unit 4</i>						
Asbestos Removal	\$ -	\$ -	\$ -	\$ 1,553,000	\$ 1,553,000	\$ -
Boiler	\$ 1,451,000	\$ 1,247,000	\$ -	\$ -	\$ 2,698,000	\$ -
Steam Turbine & Building	\$ 831,000	\$ 715,000	\$ -	\$ -	\$ 1,546,000	\$ -
Cooling Water Intakes and Circulating Water Pumps	\$ 1,000	\$ 1,000	\$ -	\$ 82,000	\$ 84,000	\$ -
Precipitator	\$ 433,000	\$ 372,000	\$ -	\$ -	\$ 805,000	\$ -
Switchgear & Electrical	\$ 5,000	\$ 4,000	\$ -	\$ -	\$ 9,000	\$ -
Scrubber / FGD	\$ 304,000	\$ 261,000	\$ -	\$ -	\$ 565,000	\$ -
Stacks	\$ 71,000	\$ 61,000	\$ -	\$ -	\$ 132,000	\$ -
GSU & Foundation	\$ 40,000	\$ 34,000	\$ -	\$ -	\$ 74,000	\$ -
On-site Concrete Crushing & Disposal	\$ -	\$ -	\$ 83,000	\$ -	\$ 83,000	\$ -
Debris	\$ -	\$ -	\$ 60,000	\$ -	\$ 60,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (2,730,000)
Subtotal	\$ 3,136,000	\$ 2,695,000	\$ 143,000	\$ 1,635,000	\$ 7,609,000	\$ (2,730,000)
<i>Unit 5</i>						
Asbestos Removal	\$ -	\$ -	\$ -	\$ 1,553,000	\$ 1,553,000	\$ -
Boiler	\$ 1,449,000	\$ 1,246,000	\$ -	\$ -	\$ 2,695,000	\$ -
Steam Turbine & Building	\$ 831,000	\$ 715,000	\$ -	\$ -	\$ 1,546,000	\$ -
Cooling Water Intakes and Circulating Water Pumps	\$ 1,000	\$ 1,000	\$ -	\$ 120,000	\$ 122,000	\$ -
Precipitator	\$ 433,000	\$ 372,000	\$ -	\$ -	\$ 805,000	\$ -
Switchgear & Electrical	\$ 5,000	\$ 4,000	\$ -	\$ -	\$ 9,000	\$ -
Scrubber / FGD	\$ 293,000	\$ 252,000	\$ -	\$ -	\$ 545,000	\$ -
Stacks	\$ 71,000	\$ 61,000	\$ -	\$ -	\$ 132,000	\$ -
GSU & Foundation	\$ 40,000	\$ 35,000	\$ -	\$ -	\$ 75,000	\$ -
On-site Concrete Crushing & Disposal	\$ -	\$ -	\$ 83,000	\$ -	\$ 83,000	\$ -
Debris	\$ -	\$ -	\$ 58,000	\$ -	\$ 58,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (2,722,000)
Subtotal	\$ 3,123,000	\$ 2,686,000	\$ 141,000	\$ 1,673,000	\$ 7,623,000	\$ (2,722,000)
<i>Handling</i>						
Coal Handling Facilities	\$ 111,000	\$ 95,000	\$ -	\$ -	\$ 206,000	\$ -
Rail Spur Removal	\$ 264,000	\$ 227,000	\$ -	\$ -	\$ 491,000	\$ -
Limestone Handling Facilities	\$ 42,000	\$ 36,000	\$ -	\$ -	\$ 78,000	\$ -
On-site Concrete Crushing & Disposal	\$ -	\$ -	\$ 46,000	\$ -	\$ 46,000	\$ -
Debris	\$ -	\$ -	\$ 6,000	\$ -	\$ 6,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (224,000)

Subtotal	\$ 417,000	\$ 358,000	\$ 52,000	\$ -	\$ 827,000	\$ (224,000)
-----------------	-------------------	-------------------	------------------	-------------	-------------------	---------------------

Common

Water Treatment Equipment and Piping	\$ 98,000	\$ 85,000	\$ -	\$ -	\$ 183,000	\$ -
Roads	\$ 352,000	\$ 303,000	\$ 244,000	\$ -	\$ 899,000	\$ -
All BOP Buildings	\$ 262,000	\$ 225,000	\$ -	\$ -	\$ 487,000	\$ -
Fuel Equipment	\$ 57,000	\$ 49,000	\$ -	\$ -	\$ 106,000	\$ -
All Other Tanks	\$ 97,000	\$ 84,000	\$ -	\$ -	\$ 181,000	\$ -
Transformers & Foundation	\$ 20,000	\$ 17,000	\$ -	\$ -	\$ 37,000	\$ -
Refractory Disposal	\$ -	\$ -	\$ -	\$ 34,000	\$ 34,000	\$ -
Mercury & Universal Waste Disposal	\$ -	\$ -	\$ -	\$ 11,000	\$ 11,000	\$ -
Plant Wash Down & Disposal	\$ -	\$ -	\$ -	\$ 49,000	\$ 49,000	\$ -
Transformer Oil Disposal	\$ -	\$ -	\$ -	\$ 197,000	\$ 197,000	\$ -
Transformer Pad and Soil Removal	\$ -	\$ -	\$ -	\$ 36,000	\$ 36,000	\$ -
Soil Remediation Beneath Fuel Oil Tank	\$ -	\$ -	\$ -	\$ 2,000	\$ 2,000	\$ -
Fuel Oil Tank Cleaning	\$ -	\$ -	\$ -	\$ 5,000	\$ 5,000	\$ -
Fuel Oil Line Flushing/Cleaning	\$ -	\$ -	\$ -	\$ 33,000	\$ 33,000	\$ -
Coal Pile Remediation	\$ -	\$ -	\$ -	\$ 2,824,000	\$ 2,824,000	\$ -
Concrete Removal, Crushing, & Disposal	\$ -	\$ -	\$ 21,000	\$ -	\$ 21,000	\$ -
Grading & Seeding	\$ -	\$ -	\$ -	\$ 2,399,000	\$ 2,399,000	\$ -
Debris	\$ -	\$ -	\$ 23,000	\$ -	\$ 23,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (261,000)
Subtotal	\$ 886,000	\$ 763,000	\$ 288,000	\$ 5,590,000	\$ 7,527,000	\$ (261,000)

Allen Subtotal	\$ 15,327,000	\$ 13,176,000	\$ 1,015,000	\$ 12,613,000	\$ 42,131,000	\$ (12,562,000)
-----------------------	----------------------	----------------------	---------------------	----------------------	----------------------	------------------------

TOTAL DECOM COST (CREDIT) **\$ 42,131,000** **\$ (12,562,000)**

PROJECT INDIRECTS (5%) **\$ 2,107,000**

CONTINGENCY (20%) **\$ 8,426,000**

TOTAL PROJECT COST (CREDIT) **\$ 52,664,000** **\$ (12,562,000)**

TOTAL NET PROJECT COST (CREDIT) **\$ 40,102,000**

Table B-3
Bad Creek Pumped-Storage Generating Station
Decommissioning Cost Summary

	Labor	Material and Equipment	Disposal	Environmental	Total Cost	Scrap Value
Bad Creek Pumped-Storage Generating Station						
<i>Bad Creek Pumped-Storage Generating Station: Unit 1</i>						
Demolition	\$ 1,729,000	\$ 1,653,000	\$ -	\$ -	\$ 3,382,000	\$ -
Debris	\$ -	\$ -	\$ 87,000	\$ -	\$ 87,000	\$ -
On Site Crushing	\$ -	\$ -	\$ 13,000	\$ -	\$ 13,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (4,230,000)
Subtotal	\$ 1,729,000	\$ 1,653,000	\$ 100,000	\$ -	\$ 3,482,000	\$ (4,230,000)
<i>Bad Creek Pumped-Storage Generating Station: Facilities Environmental</i>						
Asbestos Removal	\$ -	\$ -	\$ -	\$ 763,000	\$ 763,000	\$ -
Mercury & Universal Waste Disposal	\$ -	\$ -	\$ -	\$ 11,000	\$ 11,000	\$ -
Transformer Oil Disposal	\$ -	\$ -	\$ -	\$ 38,000	\$ 38,000	\$ -
Subtotal	\$ -	\$ -	\$ -	\$ 812,000	\$ 812,000	\$ -
Bad Creek Pumped-Storage Generating Station Subtotal	\$ 1,729,000	\$ 1,653,000	\$ 100,000	\$ 812,000	\$ 4,294,000	\$ (4,230,000)
TOTAL DECOM COST (CREDIT)					\$ 4,294,000	\$ (4,230,000)
PROJECT INDIRECTS (5%)					\$ 215,000	
CONTINGENCY (20%)					\$ 859,000	
TOTAL PROJECT COST (CREDIT)					\$ 5,368,000	\$ (4,230,000)
TOTAL NET PROJECT COST (CREDIT)					\$ 1,138,000	

Table B-4
Bear Creek Hydro Station
Decommissioning Cost Summary

	Labor	Material and Equipment	Disposal	Environmental	Total Cost	Scrap Value
Bear Creek Hydro Station						
<i>Bear Creek Hydro Station: Unit 1</i>						
Demolition	\$ 229,000	\$ 279,000	\$ -	\$ -	\$ 508,000	\$ -
Debris	\$ -	\$ -	\$ 7,000	\$ -	\$ 7,000	\$ -
On Site Crushing	\$ -	\$ -	\$ 1,000	\$ -	\$ 1,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (120,000)
Subtotal	\$ 229,000	\$ 279,000	\$ 8,000	\$ -	\$ 516,000	\$ (120,000)
<i>Bear Creek Hydro Station: Facilities Environmental</i>						
Asbestos Removal	\$ -	\$ -	\$ -	\$ 22,000	\$ 22,000	\$ -
Mercury & Universal Waste Disposal	\$ -	\$ -	\$ -	\$ 11,000	\$ 11,000	\$ -
Transformer Oil Disposal	\$ -	\$ -	\$ -	\$ 19,000	\$ 19,000	\$ -
Transformer Pad and Soil Removal	\$ -	\$ -	\$ -	\$ 2,000	\$ 2,000	\$ -
Subtotal	\$ -	\$ -	\$ -	\$ 54,000	\$ 54,000	\$ -
Bear Creek Hydro Station Subtotal	\$ 229,000	\$ 279,000	\$ 8,000	\$ 54,000	\$ 570,000	\$ (120,000)
TOTAL DECOM COST (CREDIT)					\$ 570,000	\$ (120,000)
PROJECT INDIRECTS (5%)					\$ 29,000	
CONTINGENCY (20%)					\$ 114,000	
TOTAL PROJECT COST (CREDIT)					\$ 713,000	\$ (120,000)
TOTAL NET PROJECT COST (CREDIT)					\$ 593,000	

**Table B-5
Belews Creek
Decommissioning Cost Summary**

	Labor	Material and Equipment	Disposal	Environmental	Total Cost	Scrap Value
Belews Creek						
<i>Unit 1</i>						
Asbestos Removal	\$ -	\$ -	\$ -	\$ 5,000,000	\$ 5,000,000	\$ -
Boiler	\$ 4,370,000	\$ 3,757,000	\$ -	\$ -	\$ 8,127,000	\$ -
Steam Turbine & Building	\$ 2,172,000	\$ 1,867,000	\$ -	\$ -	\$ 4,039,000	\$ -
Cooling Water Intakes and Circulating Water Pumps	\$ 1,000	\$ 1,000	\$ -	\$ 3,000	\$ 5,000	\$ -
Precipitator	\$ 1,085,000	\$ 933,000	\$ -	\$ -	\$ 2,018,000	\$ -
SCR	\$ 1,324,000	\$ 1,138,000	\$ -	\$ -	\$ 2,462,000	\$ -
Switchgear & Electrical	\$ 14,000	\$ 12,000	\$ -	\$ -	\$ 26,000	\$ -
Scrubber / FGD	\$ 679,000	\$ 583,000	\$ -	\$ -	\$ 1,262,000	\$ -
Stacks	\$ 231,000	\$ 199,000	\$ -	\$ -	\$ 430,000	\$ -
GSU & Foundation	\$ 70,000	\$ 60,000	\$ -	\$ -	\$ 130,000	\$ -
On-site Concrete Crushing & Disposal	\$ -	\$ -	\$ 313,000	\$ -	\$ 313,000	\$ -
Debris	\$ -	\$ -	\$ 56,000	\$ -	\$ 56,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (7,507,000)
Subtotal	\$ 9,946,000	\$ 8,550,000	\$ 369,000	\$ 5,003,000	\$ 23,868,000	\$ (7,507,000)
<i>Unit 2</i>						
Asbestos Removal	\$ -	\$ -	\$ -	\$ 5,000,000	\$ 5,000,000	\$ -
Boiler	\$ 4,370,000	\$ 3,757,000	\$ -	\$ -	\$ 8,127,000	\$ -
Steam Turbine & Building	\$ 2,172,000	\$ 1,867,000	\$ -	\$ -	\$ 4,039,000	\$ -
Cooling Water Intakes and Circulating Water Pumps	\$ 1,000	\$ 1,000	\$ -	\$ 3,000	\$ 5,000	\$ -
Precipitator	\$ 1,085,000	\$ 933,000	\$ -	\$ -	\$ 2,018,000	\$ -
SCR	\$ 1,324,000	\$ 1,138,000	\$ -	\$ -	\$ 2,462,000	\$ -
Switchgear & Electrical	\$ 14,000	\$ 12,000	\$ -	\$ -	\$ 26,000	\$ -
Scrubber / FGD	\$ 679,000	\$ 583,000	\$ -	\$ -	\$ 1,262,000	\$ -
Stacks	\$ 231,000	\$ 199,000	\$ -	\$ -	\$ 430,000	\$ -
GSU & Foundation	\$ 70,000	\$ 60,000	\$ -	\$ -	\$ 130,000	\$ -
On-site Concrete Crushing & Disposal	\$ -	\$ -	\$ 313,000	\$ -	\$ 313,000	\$ -
Debris	\$ -	\$ -	\$ 56,000	\$ -	\$ 56,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (7,507,000)
Subtotal	\$ 9,946,000	\$ 8,550,000	\$ 369,000	\$ 5,003,000	\$ 23,868,000	\$ (7,507,000)
<i>Handling</i>						
Coal Handling Facilities	\$ 308,000	\$ 265,000	\$ -	\$ -	\$ 573,000	\$ -
Rail Removal	\$ 298,000	\$ 256,000	\$ -	\$ -	\$ 554,000	\$ -
Limestone Handling Facilities	\$ 194,000	\$ 167,000	\$ -	\$ -	\$ 361,000	\$ -
On-site Concrete Crushing & Disposal	\$ -	\$ -	\$ 27,000	\$ -	\$ 27,000	\$ -
Debris	\$ -	\$ -	\$ 95,000	\$ -	\$ 95,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (284,000)
Subtotal	\$ 800,000	\$ 688,000	\$ 122,000	\$ -	\$ 1,610,000	\$ (284,000)
<i>Common</i>						
Cooling Water Intakes & Circ. Water Equip.	\$ 142,000	\$ 122,000	\$ -	\$ -	\$ 264,000	\$ -
Roads	\$ 460,000	\$ 395,000	\$ 477,000	\$ -	\$ 1,332,000	\$ -
All BOP Buildings	\$ 401,000	\$ 345,000	\$ -	\$ -	\$ 746,000	\$ -
Fuel Oil Tanks & Equipment	\$ 64,000	\$ 55,000	\$ -	\$ -	\$ 119,000	\$ -
All Other Tanks	\$ 206,000	\$ 177,000	\$ -	\$ -	\$ 383,000	\$ -
Transformers & Foundation	\$ 69,000	\$ 59,000	\$ -	\$ -	\$ 128,000	\$ -
Refractory Disposal	\$ -	\$ -	\$ -	\$ 14,000	\$ 14,000	\$ -
Mercury & Universal Waste Disposal	\$ -	\$ -	\$ -	\$ 12,000	\$ 12,000	\$ -
Plant Wash Down & Disposal	\$ -	\$ -	\$ -	\$ 56,000	\$ 56,000	\$ -
Transformer Oil Disposal	\$ -	\$ -	\$ -	\$ 246,000	\$ 246,000	\$ -
Transformer Pad and Soil Removal	\$ -	\$ -	\$ -	\$ 8,000	\$ 8,000	\$ -
Soil Remediation Beneath Fuel Oil Tank	\$ -	\$ -	\$ -	\$ 4,000	\$ 4,000	\$ -
Fuel Oil Tank Cleaning	\$ -	\$ -	\$ -	\$ 14,000	\$ 14,000	\$ -
Fuel Oil Line Flushing/Cleaning	\$ -	\$ -	\$ -	\$ 18,000	\$ 18,000	\$ -
Coal Pile Remediation	\$ -	\$ -	\$ -	\$ 4,949,000	\$ 4,949,000	\$ -
Concrete Removal, Crushing, & Disposal	\$ -	\$ -	\$ 33,000	\$ -	\$ 33,000	\$ -
Grading & Seeding	\$ -	\$ -	\$ -	\$ 5,157,000	\$ 5,157,000	\$ -
Debris	\$ -	\$ -	\$ 6,000	\$ -	\$ 6,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (569,000)
Subtotal	\$ 1,342,000	\$ 1,153,000	\$ 516,000	\$ 10,478,000	\$ 13,489,000	\$ (569,000)
Belews Creek Subtotal	\$ 22,034,000	\$ 18,941,000	\$ 1,376,000	\$ 20,484,000	\$ 62,835,000	\$ (15,867,000)
TOTAL DECOM COST (CREDIT)					\$ 62,835,000	\$ (15,867,000)
PROJECT INDIRECTS (5%)					\$ 3,142,000	
CONTINGENCY (20%)					\$ 12,567,000	
TOTAL PROJECT COST (CREDIT)					\$ 78,544,000	\$ (15,867,000)
TOTAL NET PROJECT COST (CREDIT)					\$ 62,677,000	

Table B-6
Bridgewater Hydro Station
Decommissioning Cost Summary

	Labor	Material and Equipment	Disposal	Environmental	Total Cost	Scrap Value
Bridgewater Hydro Station						
<i>Bridgewater Hydro Station: Unit 1</i>						
Demolition	\$ 662,000	\$ 573,000	\$ -	\$ -	\$ 1,235,000	\$ -
Debris	\$ -	\$ -	\$ 49,000	\$ -	\$ 49,000	\$ -
On Site Crushing	\$ -	\$ -	\$ 8,000	\$ -	\$ 8,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (438,000)
Subtotal	\$ 662,000	\$ 573,000	\$ 57,000	\$ -	\$ 1,292,000	\$ (438,000)
<i>Bridgewater Hydro Station: Facilities Environmental</i>						
Asbestos Removal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Mercury & Universal Waste Disposal	\$ -	\$ -	\$ -	\$ 11,000	\$ 11,000	\$ -
Transformer Oil Disposal	\$ -	\$ -	\$ -	\$ 22,000	\$ 22,000	\$ -
Transformer Pad and Soil Removal	\$ -	\$ -	\$ -	\$ 5,000	\$ 5,000	\$ -
Subtotal	\$ -	\$ -	\$ -	\$ 38,000	\$ 38,000	\$ -
Bridgewater Hydro Station Subtotal	\$ 662,000	\$ 573,000	\$ 57,000	\$ 38,000	\$ 1,330,000	\$ (438,000)
TOTAL DECOM COST (CREDIT)					\$ 1,330,000	\$ (438,000)
PROJECT INDIRECTS (5%)					\$ 67,000	
CONTINGENCY (20%)					\$ 266,000	
TOTAL PROJECT COST (CREDIT)					\$ 1,663,000	\$ (438,000)
TOTAL NET PROJECT COST (CREDIT)					\$ 1,225,000	

Table B-7
Bryson Hydro Station
Decommissioning Cost Summary

	Labor	Material and Equipment	Disposal	Environmental	Total Cost	Scrap Value
Bryson Hydro Station						
<i>Bryson Hydro Station: Unit 1</i>						
Demolition	\$ 368,000	\$ 354,000	\$ -	\$ -	\$ 722,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (21,000)
Subtotal	\$ 368,000	\$ 354,000	\$ -	\$ -	\$ 722,000	\$ (21,000)
<i>Bryson Hydro Station: Facilities Environmental</i>						
Asbestos Removal	\$ -	\$ -	\$ -	\$ 42,000	\$ 42,000	\$ -
Mercury & Universal Waste Disposal	\$ -	\$ -	\$ -	\$ 11,000	\$ 11,000	\$ -
Transformer Oil Disposal	\$ -	\$ -	\$ -	\$ 2,000	\$ 2,000	\$ -
Transformer Pad and Soil Removal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal	\$ -	\$ -	\$ -	\$ 55,000	\$ 55,000	\$ -
Bryson Hydro Station Subtotal	\$ 368,000	\$ 354,000	\$ -	\$ 55,000	\$ 777,000	\$ (21,000)
TOTAL DECOM COST (CREDIT)					\$ 777,000	\$ (21,000)
PROJECT INDIRECTS (5%)					\$ 39,000	
CONTINGENCY (20%)					\$ 155,000	
TOTAL PROJECT COST (CREDIT)					\$ 971,000	\$ (21,000)
TOTAL NET PROJECT COST (CREDIT)					\$ 950,000	

**Table B-8
Buck
Decommissioning Cost Summary**

	Labor	Material and Equipment	Disposal	Environmental	Total Cost	Scrap Value
Buck						
<i>Unit 1</i>						
Aux Boiler	\$ 10,000	\$ 9,000	\$ -	\$ -	\$ 19,000	\$ -
CTs and HRSGs	\$ 2,012,000	\$ 1,730,000	\$ -	\$ -	\$ 3,742,000	\$ -
Steam Turbine & Building	\$ 648,000	\$ 557,000	\$ -	\$ -	\$ 1,205,000	\$ -
SCR	\$ 66,000	\$ 57,000	\$ -	\$ -	\$ 123,000	\$ -
Cooling Towers & Basin	\$ 349,000	\$ 300,000	\$ -	\$ -	\$ 649,000	\$ -
Stacks	\$ 79,000	\$ 68,000	\$ -	\$ -	\$ 147,000	\$ -
GSU & Foundation	\$ 176,000	\$ 151,000	\$ -	\$ -	\$ 327,000	\$ -
On-site Concrete Crushing & Disposal	\$ -	\$ -	\$ 85,000	\$ -	\$ 85,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (2,865,000)
Subtotal	\$ 3,340,000	\$ 2,872,000	\$ 85,000	\$ -	\$ 6,297,000	\$ (2,865,000)
<i>Common</i>						
Cooling Water Intakes and Circulating Water Pumps	\$ 100,000	\$ 86,000	\$ -	\$ 302,000	\$ 488,000	\$ -
Roads	\$ 153,000	\$ 131,000	\$ -	\$ -	\$ 284,000	\$ -
All BOP Buildings	\$ 100,000	\$ 86,000	\$ -	\$ -	\$ 186,000	\$ -
Fuel Equipment	\$ 1,000	\$ 1,000	\$ -	\$ -	\$ 2,000	\$ -
All Other Tanks	\$ 385,000	\$ 331,000	\$ -	\$ -	\$ 716,000	\$ -
Mercury & Universal Waste Disposal	\$ -	\$ -	\$ -	\$ 12,000	\$ 12,000	\$ -
Transformer Oil Disposal	\$ -	\$ -	\$ -	\$ 108,000	\$ 108,000	\$ -
Transformer Pad and Soil Removal	\$ -	\$ -	\$ -	\$ 31,000	\$ 31,000	\$ -
Concrete Removal, Crushing, & Disposal	\$ -	\$ -	\$ 31,000	\$ -	\$ 31,000	\$ -
Grading & Seeding	\$ -	\$ -	\$ -	\$ 547,000	\$ 547,000	\$ -
Debris	\$ -	\$ -	\$ 3,000	\$ -	\$ 3,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (124,000)
Subtotal	\$ 749,000	\$ 644,000	\$ 34,000	\$ 1,000,000	\$ 2,427,000	\$ (124,000)
Buck Subtotal	\$ 4,089,000	\$ 3,516,000	\$ 119,000	\$ 1,000,000	\$ 8,724,000	\$ (2,989,000)
TOTAL DECOM COST (CREDIT)					\$ 8,724,000	\$ (2,989,000)
PROJECT INDIRECTS (5%)					\$ 436,000	
CONTINGENCY (20%)					\$ 1,745,000	
TOTAL PROJECT COST (CREDIT)					\$ 10,905,000	\$ (2,989,000)
TOTAL NET PROJECT COST (CREDIT)					\$ 7,916,000	

Table B-9
Cedar Cliff Hydro Station
Decommissioning Cost Summary

	Labor	Material and Equipment	Disposal	Environmental	Total Cost	Scrap Value
Cedar Cliff Hydro Station						
<i>Cedar Cliff Hydro Station: Unit 1</i>						
Demolition	\$ 364,000	\$ 368,000	\$ -	\$ -	\$ 732,000	\$ -
Debris	\$ -	\$ -	\$ 11,000	\$ -	\$ 11,000	\$ -
On Site Crushing	\$ -	\$ -	\$ 1,000	\$ -	\$ 1,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (135,000)
Subtotal	\$ 364,000	\$ 368,000	\$ 12,000	\$ -	\$ 744,000	\$ (135,000)
<i>Cedar Cliff Hydro Station: Facilities Environmental</i>						
Asbestos Removal	\$ -	\$ -	\$ -	\$ 23,000	\$ 23,000	\$ -
Mercury & Universal Waste Disposal	\$ -	\$ -	\$ -	\$ 11,000	\$ 11,000	\$ -
Transformer Oil Disposal	\$ -	\$ -	\$ -	\$ 9,000	\$ 9,000	\$ -
Transformer Pad and Soil Removal	\$ -	\$ -	\$ -	\$ 3,000	\$ 3,000	\$ -
Subtotal	\$ -	\$ -	\$ -	\$ 46,000	\$ 46,000	\$ -
Cedar Cliff Hydro Station Subtotal	\$ 364,000	\$ 368,000	\$ 12,000	\$ 46,000	\$ 790,000	\$ (135,000)
TOTAL DECOM COST (CREDIT)					\$ 790,000	\$ (135,000)
PROJECT INDIRECTS (5%)					\$ 40,000	
CONTINGENCY (20%)					\$ 158,000	
TOTAL PROJECT COST (CREDIT)					\$ 988,000	\$ (135,000)
TOTAL NET PROJECT COST (CREDIT)					\$ 853,000	

Table B-10
Cedar Creek Hydro Station
Decommissioning Cost Summary

	Labor	Material and Equipment	Disposal	Environmental	Total Cost	Scrap Value
Cedar Creek Hydro Station						
<i>Cedar Creek Hydro Station: Unit 1</i>						
Demolition	\$ 671,000	\$ 654,000	\$ -	\$ -	\$ 1,325,000	\$ -
Debris	\$ -	\$ -	\$ 9,000	\$ -	\$ 9,000	\$ -
On Site Crushing	\$ -	\$ -	\$ 1,000	\$ -	\$ 1,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (484,000)
Subtotal	\$ 671,000	\$ 654,000	\$ 10,000	\$ -	\$ 1,335,000	\$ (484,000)
<i>Cedar Creek Hydro Station: Facilities Environmental</i>						
Asbestos Removal	\$ -	\$ -	\$ -	\$ 153,000	\$ 153,000	\$ -
Mercury & Universal Waste Disposal	\$ -	\$ -	\$ -	\$ 11,000	\$ 11,000	\$ -
Transformer Oil Disposal	\$ -	\$ -	\$ -	\$ 29,000	\$ 29,000	\$ -
Transformer Pad and Soil Removal	\$ -	\$ -	\$ -	\$ 7,000	\$ 7,000	\$ -
Subtotal	\$ -	\$ -	\$ -	\$ 200,000	\$ 200,000	\$ -
Cedar Creek Hydro Station Subtotal	\$ 671,000	\$ 654,000	\$ 10,000	\$ 200,000	\$ 1,535,000	\$ (484,000)
TOTAL DECOM COST (CREDIT)					\$ 1,535,000	\$ (484,000)
PROJECT INDIRECTS (5%)					\$ 77,000	
CONTINGENCY (20%)					\$ 307,000	
TOTAL PROJECT COST (CREDIT)					\$ 1,919,000	\$ (484,000)
TOTAL NET PROJECT COST (CREDIT)					\$ 1,435,000	

**Table B-11
Cliffside
Decommissioning Cost Summary**

	Labor	Material and Equipment	Disposal	Environmental	Total Cost	Scrap Value
Cliffside						
<i>Unit 5</i>						
Asbestos Removal	\$ -	\$ -	\$ -	\$ 5,000,000	\$ 5,000,000	\$ -
Boiler	\$ 3,607,000	\$ 3,101,000	\$ -	\$ -	\$ 6,708,000	\$ -
Steam Turbine & Building	\$ 1,471,000	\$ 1,265,000	\$ -	\$ -	\$ 2,736,000	\$ -
Precipitator	\$ 541,000	\$ 465,000	\$ -	\$ -	\$ 1,006,000	\$ -
SCR	\$ 523,000	\$ 449,000	\$ -	\$ -	\$ 972,000	\$ -
Switchyard & Substation	\$ 11,000	\$ 9,000	\$ -	\$ -	\$ 20,000	\$ -
Scrubber / FGD	\$ 620,000	\$ 533,000	\$ -	\$ -	\$ 1,153,000	\$ -
Stacks	\$ 220,000	\$ 189,000	\$ -	\$ -	\$ 409,000	\$ -
Cooling Towers & Basin	\$ 523,000	\$ 450,000	\$ -	\$ -	\$ 973,000	\$ -
GSU & Foundation	\$ 74,000	\$ 63,000	\$ -	\$ -	\$ 137,000	\$ -
On-site Concrete Crushing & Disposal	\$ -	\$ -	\$ 247,000	\$ -	\$ 247,000	\$ -
Debris	\$ -	\$ -	\$ 51,000	\$ -	\$ 51,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (6,213,000)
Subtotal	\$ 7,842,000	\$ 6,741,000	\$ 298,000	\$ 5,795,000	\$ 20,676,000	\$ (6,213,000)
<i>Unit 6</i>						
Boiler	\$ 4,292,000	\$ 3,689,000	\$ -	\$ -	\$ 7,981,000	\$ -
Steam Turbine & Building	\$ 1,726,000	\$ 1,484,000	\$ -	\$ -	\$ 3,210,000	\$ -
Precipitator	\$ 715,000	\$ 614,000	\$ -	\$ -	\$ 1,329,000	\$ -
SCR	\$ 892,000	\$ 766,000	\$ -	\$ -	\$ 1,658,000	\$ -
Switchyard & Substation	\$ 11,000	\$ 9,000	\$ -	\$ -	\$ 20,000	\$ -
Scrubber / FGD	\$ 1,117,000	\$ 960,000	\$ -	\$ -	\$ 2,077,000	\$ -
Baghouse	\$ 292,000	\$ 251,000	\$ -	\$ -	\$ 543,000	\$ -
Cooling Towers & Basin	\$ 490,000	\$ 422,000	\$ -	\$ -	\$ 912,000	\$ -
GSU & Foundation	\$ 102,000	\$ 88,000	\$ -	\$ -	\$ 190,000	\$ -
On-site Concrete Crushing & Disposal	\$ -	\$ -	\$ 200,000	\$ -	\$ 200,000	\$ -
Debris	\$ -	\$ -	\$ 51,000	\$ -	\$ 51,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (7,868,000)
Subtotal	\$ 9,999,000	\$ 8,594,000	\$ 251,000	\$ 698,000	\$ 19,542,000	\$ (7,868,000)
<i>Handling</i>						
Coal Handling Facilities	\$ 55,000	\$ 47,000	\$ -	\$ -	\$ 102,000	\$ -
Rail Spur Removal	\$ 351,000	\$ 302,000	\$ -	\$ -	\$ 653,000	\$ -
Limestone Handling Facilities	\$ 55,000	\$ 47,000	\$ -	\$ -	\$ 102,000	\$ -
Debris	\$ -	\$ -	\$ 68,000	\$ -	\$ 68,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (259,000)
Subtotal	\$ 461,000	\$ 396,000	\$ 75,000	\$ -	\$ 932,000	\$ (259,000)
<i>Common</i>						
Water Treatment Equipment and Piping	\$ 74,000	\$ 64,000	\$ -	\$ -	\$ 138,000	\$ -
Roads	\$ 495,000	\$ 425,000	\$ 314,000	\$ -	\$ 1,234,000	\$ -
All BOP Buildings	\$ 373,000	\$ 320,000	\$ -	\$ -	\$ 693,000	\$ -
Fuel Oil Storage Tanks	\$ 20,000	\$ 17,000	\$ -	\$ -	\$ 37,000	\$ -
All Other Tanks	\$ 75,000	\$ 64,000	\$ -	\$ -	\$ 139,000	\$ -
Transformers & Foundation	\$ 46,000	\$ 40,000	\$ -	\$ -	\$ 86,000	\$ -
Refractory Disposal	\$ -	\$ -	\$ -	\$ 15,000	\$ 15,000	\$ -
Mercury & Universal Waste Disposal	\$ -	\$ -	\$ -	\$ 12,000	\$ 12,000	\$ -
Plant Wash Down & Disposal	\$ -	\$ -	\$ -	\$ 53,000	\$ 53,000	\$ -
Transformer Oil Disposal	\$ -	\$ -	\$ -	\$ 229,000	\$ 229,000	\$ -
Transformer Pad and Soil Removal	\$ -	\$ -	\$ -	\$ 32,000	\$ 32,000	\$ -
Soil Remediation Beneath Fuel Oil Tank	\$ -	\$ -	\$ -	\$ 30,000	\$ 30,000	\$ -
Fuel Oil Tank Cleaning	\$ -	\$ -	\$ -	\$ 40,000	\$ 40,000	\$ -
Fuel Oil Line Flushing/Cleaning	\$ -	\$ -	\$ -	\$ 3,000	\$ 3,000	\$ -
Coal Pile Remediation	\$ -	\$ -	\$ -	\$ 2,789,000	\$ 2,789,000	\$ -
Concrete Removal, Crushing, & Disposal	\$ -	\$ -	\$ 127,000	\$ -	\$ 127,000	\$ -
Grading & Seeding	\$ -	\$ -	\$ -	\$ 3,389,000	\$ 3,389,000	\$ -
Debris	\$ -	\$ -	\$ 2,000	\$ -	\$ 2,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (333,000)
Subtotal	\$ 1,083,000	\$ 930,000	\$ 443,000	\$ 6,592,000	\$ 9,048,000	\$ (333,000)
Cliffside Subtotal	\$ 19,385,000	\$ 16,661,000	\$ 1,067,000	\$ 13,085,000	\$ 50,198,000	\$ (14,673,000)
TOTAL DECOM COST (CREDIT)					\$ 50,198,000	\$ (14,673,000)
PROJECT INDIRECTS (5%)					\$ 2,510,000	
CONTINGENCY (20%)					\$ 10,040,000	
TOTAL PROJECT COST (CREDIT)					\$ 62,748,000	\$ (14,673,000)
TOTAL NET PROJECT COST (CREDIT)					\$ 48,075,000	

Table B-12
Cowans Ford Hydro Station
Decommissioning Cost Summary

	Labor	Material and Equipment	Disposal	Environmental	Total Cost	Scrap Value
Cowans Ford Hydro Station						
<i>Cowans Ford Hydro Station: Unit 1</i>						
Demolition	\$ 1,008,000	\$ 1,020,000	\$ -	\$ -	\$ 2,028,000	\$ -
Debris	\$ -	\$ -	\$ 7,000	\$ -	\$ 7,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (404,000)
Subtotal	\$ 1,008,000	\$ 1,020,000	\$ 7,000	\$ -	\$ 2,035,000	\$ (404,000)
<i>Cowans Ford Hydro Station: Facilities Environmental</i>						
Asbestos Removal	\$ -	\$ -	\$ -	\$ 354,000	\$ 354,000	\$ -
Mercury & Universal Waste Disposal	\$ -	\$ -	\$ -	\$ 11,000	\$ 11,000	\$ -
Transformer Oil Disposal	\$ -	\$ -	\$ -	\$ 22,000	\$ 22,000	\$ -
Subtotal	\$ -	\$ -	\$ -	\$ 387,000	\$ 387,000	\$ -
Cowans Ford Hydro Station Subtotal	\$ 1,008,000	\$ 1,020,000	\$ 7,000	\$ 387,000	\$ 2,422,000	\$ (404,000)
TOTAL DECOM COST (CREDIT)					\$ 2,422,000	\$ (404,000)
PROJECT INDIRECTS (5%)					\$ 121,000	
CONTINGENCY (20%)					\$ 484,000	
TOTAL PROJECT COST (CREDIT)					\$ 3,027,000	\$ (404,000)
TOTAL NET PROJECT COST (CREDIT)					\$ 2,623,000	

**Table B-13
Dan River
Decommissioning Cost Summary**

	Labor	Material and Equipment	Disposal	Environmental	Total Cost	Scrap Value
Dan River						
<i>Unit 1</i>						
Aux Boiler	\$ 9,000	\$ 8,000	\$ -	\$ -	\$ 17,000	\$ -
CTs and HRSGs	\$ 1,868,000	\$ 1,605,000	\$ -	\$ -	\$ 3,473,000	\$ -
ST, Pedestal, & Building	\$ 926,000	\$ 796,000	\$ -	\$ 252,000	\$ 1,974,000	\$ -
SCR	\$ 61,000	\$ 53,000	\$ -	\$ -	\$ 114,000	\$ -
Cooling Towers & Basin	\$ 324,000	\$ 278,000	\$ -	\$ -	\$ 602,000	\$ -
Stack (Metal)	\$ 74,000	\$ 63,000	\$ -	\$ -	\$ 137,000	\$ -
GSU, Electrical & Foundation	\$ 157,000	\$ 135,000	\$ -	\$ -	\$ 292,000	\$ -
On-site Concrete Crushing & Disposal	\$ -	\$ -	\$ 103,000	\$ -	\$ 103,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (2,819,000)
Subtotal	\$ 3,445,000	\$ 2,960,000	\$ 103,000	\$ 252,000	\$ 6,760,000	\$ (2,819,000)
<i>Common</i>						
Cooling Water Intakes and Circulating Water Pumps	\$ 76,000	\$ 65,000	\$ -	\$ 252,000	\$ 393,000	\$ -
Cooling Water Discharge Canal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Roads	\$ 125,000	\$ 108,000	\$ -	\$ -	\$ 233,000	\$ -
All BOP Buildings	\$ 93,000	\$ 80,000	\$ -	\$ -	\$ 173,000	\$ -
All Other Tanks	\$ 319,000	\$ 275,000	\$ -	\$ -	\$ 594,000	\$ -
Mercury & Universal Waste Disposal	\$ -	\$ -	\$ -	\$ 7,000	\$ 7,000	\$ -
Plant Wash Down & Disposal	\$ -	\$ -	\$ -	\$ 11,000	\$ 11,000	\$ -
Transformer Pad and Soil Removal	\$ -	\$ -	\$ -	\$ 64,000	\$ 64,000	\$ -
Soil Remediation Beneath Fuel Oil Tank	\$ -	\$ -	\$ -	\$ 39,000	\$ 39,000	\$ -
Concrete Removal, Crushing, & Disposal	\$ -	\$ -	\$ 26,000	\$ -	\$ 26,000	\$ -
Grading & Seeding	\$ -	\$ -	\$ -	\$ 535,000	\$ 535,000	\$ -
Debris	\$ -	\$ -	\$ 6,000	\$ -	\$ 6,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (109,000)
Subtotal	\$ 613,000	\$ 528,000	\$ 32,000	\$ 908,000	\$ 2,081,000	\$ (109,000)
Dan River Subtotal	\$ 4,058,000	\$ 3,488,000	\$ 135,000	\$ 1,160,000	\$ 8,841,000	\$ (2,928,000)
TOTAL DECOM COST (CREDIT)					\$ 8,841,000	\$ (2,928,000)
PROJECT INDIRECTS (5%)					\$ 442,000	
CONTINGENCY (20%)					\$ 1,768,000	
TOTAL PROJECT COST (CREDIT)					\$ 11,051,000	\$ (2,928,000)
TOTAL NET PROJECT COST (CREDIT)					\$ 8,123,000	

Table B-14
Dearborn Hydro Station
Decommissioning Cost Summary

	Labor	Material and Equipment	Disposal	Environmental	Total Cost	Scrap Value
Dearborn Hydro Station						
<i>Dearborn Hydro Station: Unit 1</i>						
Demolition	\$ 669,000	\$ 653,000	\$ -	\$ -	\$ 1,322,000	\$ -
Debris	\$ -	\$ -	\$ 12,000	\$ -	\$ 12,000	\$ -
On Site Crushing	\$ -	\$ -	\$ 1,000	\$ -	\$ 1,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (490,000)
Subtotal	\$ 669,000	\$ 653,000	\$ 13,000	\$ -	\$ 1,335,000	\$ (490,000)
<i>Dearborn Hydro Station: Facilities Environmental</i>						
Asbestos Removal	\$ -	\$ -	\$ -	\$ 127,000	\$ 127,000	\$ -
Mercury & Universal Waste Disposal	\$ -	\$ -	\$ -	\$ 11,000	\$ 11,000	\$ -
Transformer Oil Disposal	\$ -	\$ -	\$ -	\$ 27,000	\$ 27,000	\$ -
Transformer Pad and Soil Removal	\$ -	\$ -	\$ -	\$ 10,000	\$ 10,000	\$ -
Subtotal	\$ -	\$ -	\$ -	\$ 175,000	\$ 175,000	\$ -
Dearborn Hydro Station Subtotal	\$ 669,000	\$ 653,000	\$ 13,000	\$ 175,000	\$ 1,510,000	\$ (490,000)
TOTAL DECOM COST (CREDIT)					\$ 1,510,000	\$ (490,000)
PROJECT INDIRECTS (5%)					\$ 76,000	
CONTINGENCY (20%)					\$ 302,000	
TOTAL PROJECT COST (CREDIT)					\$ 1,888,000	\$ (490,000)
TOTAL NET PROJECT COST (CREDIT)					\$ 1,398,000	

Table B-15
Fishing Creek Hydro Station
Decommissioning Cost Summary

	Labor	Material and Equipment	Disposal	Environmental	Total Cost	Scrap Value
Fishing Creek Hydro Station						
<i>Fishing Creek Hydro Station: Unit 1</i>						
Demolition	\$ 1,020,000	\$ 971,000	\$ -	\$ -	\$ 1,991,000	\$ -
Debris	\$ -	\$ -	\$ 10,000	\$ -	\$ 10,000	\$ -
On Site Crushing	\$ -	\$ -	\$ 1,000	\$ -	\$ 1,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (650,000)
Subtotal	\$ 1,020,000	\$ 971,000	\$ 11,000	\$ -	\$ 2,002,000	\$ (650,000)
<i>Fishing Creek Hydro Station: Facilities Environmental</i>						
Asbestos Removal	\$ -	\$ -	\$ -	\$ 185,000	\$ 185,000	\$ -
Mercury & Universal Waste Disposal	\$ -	\$ -	\$ -	\$ 11,000	\$ 11,000	\$ -
Transformer Oil Disposal	\$ -	\$ -	\$ -	\$ 20,000	\$ 20,000	\$ -
Transformer Pad and Soil Removal	\$ -	\$ -	\$ -	\$ 5,000	\$ 5,000	\$ -
Subtotal	\$ -	\$ -	\$ -	\$ 221,000	\$ 221,000	\$ -
Fishing Creek Hydro Station Subtotal	\$ 1,020,000	\$ 971,000	\$ 11,000	\$ 221,000	\$ 2,223,000	\$ (650,000)
TOTAL DECOM COST (CREDIT)					\$ 2,223,000	\$ (650,000)
PROJECT INDIRECTS (5%)					\$ 111,000	
CONTINGENCY (20%)					\$ 445,000	
TOTAL PROJECT COST (CREDIT)					\$ 2,779,000	\$ (650,000)
TOTAL NET PROJECT COST (CREDIT)					\$ 2,129,000	

Table B-16
Franklin Hydro Station
Decommissioning Cost Summary

	Labor	Material and Equipment	Disposal	Environmental	Total Cost	Scrap Value
Franklin Hydro Station						
<i>Franklin Hydro Station: Unit 1</i>						
Demolition	\$ 368,000	\$ 354,000	\$ -	\$ -	\$ 722,000	\$ -
Debris	\$ -	\$ -	\$ 1,000	\$ -	\$ 1,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (24,000)
Subtotal	\$ 368,000	\$ 354,000	\$ 1,000	\$ -	\$ 723,000	\$ (24,000)
<i>Franklin Hydro Station: Facilities Environmental</i>						
Asbestos Removal	\$ -	\$ -	\$ -	\$ 33,000	\$ 33,000	\$ -
Mercury & Universal Waste Disposal	\$ -	\$ -	\$ -	\$ 11,000	\$ 11,000	\$ -
Transformer Oil Disposal	\$ -	\$ -	\$ -	\$ 2,000	\$ 2,000	\$ -
Transformer Pad and Soil Removal	\$ -	\$ -	\$ -	\$ 1,000	\$ 1,000	\$ -
Subtotal	\$ -	\$ -	\$ -	\$ 47,000	\$ 47,000	\$ -
Franklin Hydro Station Subtotal	\$ 368,000	\$ 354,000	\$ 1,000	\$ 47,000	\$ 770,000	\$ (24,000)
TOTAL DECOM COST (CREDIT)					\$ 770,000	\$ (24,000)
PROJECT INDIRECTS (5%)					\$ 39,000	
CONTINGENCY (20%)					\$ 154,000	
TOTAL PROJECT COST (CREDIT)					\$ 963,000	\$ (24,000)
TOTAL NET PROJECT COST (CREDIT)					\$ 939,000	

Table B-17
Gaston Shoals Hydro Station
Decommissioning Cost Summary

	Labor	Material and Equipment	Disposal	Environmental	Total Cost	Scrap Value
Gaston Shoals Hydro Station						
<i>Gaston Shoals Hydro Station: Unit 1</i>						
Demolition	\$ 678,000	\$ 756,000	\$ -	\$ -	\$ 1,434,000	\$ -
Debris	\$ -	\$ -	\$ 4,000	\$ -	\$ 4,000	\$ -
On Site Crushing	\$ -	\$ -	\$ 1,000	\$ -	\$ 1,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (123,000)
Subtotal	\$ 678,000	\$ 756,000	\$ 5,000	\$ -	\$ 1,439,000	\$ (123,000)
<i>Gaston Shoals Hydro Station: Facilities Environmental</i>						
Asbestos Removal	\$ -	\$ -	\$ -	\$ 140,000	\$ 140,000	\$ -
Mercury & Universal Waste Disposal	\$ -	\$ -	\$ -	\$ 11,000	\$ 11,000	\$ -
Transformer Oil Disposal	\$ -	\$ -	\$ -	\$ 5,000	\$ 5,000	\$ -
Transformer Pad and Soil Removal	\$ -	\$ -	\$ -	\$ 3,000	\$ 3,000	\$ -
Subtotal	\$ -	\$ -	\$ -	\$ 159,000	\$ 159,000	\$ -
Gaston Shoals Hydro Station Subtotal	\$ 678,000	\$ 756,000	\$ 5,000	\$ 159,000	\$ 1,598,000	\$ (123,000)
TOTAL DECOM COST (CREDIT)					\$ 1,598,000	\$ (123,000)
PROJECT INDIRECTS (5%)					\$ 80,000	
CONTINGENCY (20%)					\$ 320,000	
TOTAL PROJECT COST (CREDIT)					\$ 1,998,000	\$ (123,000)
TOTAL NET PROJECT COST (CREDIT)					\$ 1,875,000	

Table B-18
Great Falls Hydro Station
Decommissioning Cost Summary

	Labor	Material and Equipment	Disposal	Environmental	Total Cost	Scrap Value
Great Falls Hydro Station						
<i>Great Falls Hydro Station: Unit 1</i>						
Demolition	\$ 1,472,000	\$ 1,402,000	\$ -	\$ -	\$ 2,874,000	\$ -
Debris	\$ -	\$ -	\$ 9,000	\$ -	\$ 9,000	\$ -
On Site Crushing	\$ -	\$ -	\$ 1,000	\$ -	\$ 1,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (225,000)
Subtotal	\$ 1,472,000	\$ 1,402,000	\$ 10,000	\$ -	\$ 2,884,000	\$ (225,000)
<i>Great Falls Hydro Station: Facilities Environmental</i>						
Asbestos Removal	\$ -	\$ -	\$ -	\$ 259,000	\$ 259,000	\$ -
Mercury & Universal Waste Disposal	\$ -	\$ -	\$ -	\$ 11,000	\$ 11,000	\$ -
Transformer Oil Disposal	\$ -	\$ -	\$ -	\$ 5,000	\$ 5,000	\$ -
Transformer Pad and Soil Removal	\$ -	\$ -	\$ -	\$ 10,000	\$ 10,000	\$ -
Subtotal	\$ -	\$ -	\$ -	\$ 285,000	\$ 285,000	\$ -
Great Falls Hydro Station Subtotal	\$ 1,472,000	\$ 1,402,000	\$ 10,000	\$ 285,000	\$ 3,169,000	\$ (225,000)
TOTAL DECOM COST (CREDIT)					\$ 3,169,000	\$ (225,000)
PROJECT INDIRECTS (5%)					\$ 158,000	
CONTINGENCY (20%)					\$ 634,000	
TOTAL PROJECT COST (CREDIT)					\$ 3,961,000	\$ (225,000)
TOTAL NET PROJECT COST (CREDIT)					\$ 3,736,000	

Table B-19
Jocassee Pumped-Storage Generating Station
Decommissioning Cost Summary

	Labor	Material and Equipment	Disposal	Environmental	Total Cost	Scrap Value
Jocassee Pumped-Storage Generating Station						
<i>Jocassee Pumped-Storage Generating Station: Unit 1</i>						
Demolition	\$ 1,362,000	\$ 1,357,000	\$ -	\$ -	\$ 2,719,000	\$ -
Debris	\$ -	\$ -	\$ 13,000	\$ -	\$ 13,000	\$ -
On Site Crushing	\$ -	\$ -	\$ 1,000	\$ -	\$ 1,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (3,051,000)
Subtotal	\$ 1,362,000	\$ 1,357,000	\$ 14,000	\$ -	\$ 2,733,000	\$ (3,051,000)
<i>Jocassee Pumped-Storage Generating Station: Facilities Environmental</i>						
Mercury & Universal Waste Disposal	\$ -	\$ -	\$ -	\$ 11,000	\$ 11,000	\$ -
Transformer Oil Disposal	\$ -	\$ -	\$ -	\$ 30,000	\$ 30,000	\$ -
Transformer Pad and Soil Removal	\$ -	\$ -	\$ -	\$ 6,000	\$ 6,000	\$ -
Subtotal	\$ -	\$ -	\$ -	\$ 47,000	\$ 47,000	\$ -
Jocassee Pumped-Storage Generating Station Subtotal	\$ 1,362,000	\$ 1,357,000	\$ 14,000	\$ 47,000	\$ 2,780,000	\$ (3,051,000)
TOTAL DECOM COST (CREDIT)					\$ 2,780,000	\$ (3,051,000)
PROJECT INDIRECTS (5%)					\$ 139,000	
CONTINGENCY (20%)					\$ 556,000	
TOTAL PROJECT COST (CREDIT)					\$ 3,475,000	\$ (3,051,000)
TOTAL NET PROJECT COST (CREDIT)					\$ 424,000	

Table B-20
Keowee Hydro Station
Decommissioning Cost Summary

	Labor	Material and Equipment	Disposal	Environmental	Total Cost	Scrap Value
Keowee Hydro Station						
<i>Keowee Hydro Station: Unit 1</i>						
Demolition	\$ 787,000	\$ 741,000	\$ -	\$ -	\$ 1,528,000	\$ -
Debris	\$ -	\$ -	\$ 75,000	\$ -	\$ 75,000	\$ -
On Site Crushing	\$ -	\$ -	\$ 8,000	\$ -	\$ 8,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (1,255,000)
Subtotal	\$ 787,000	\$ 741,000	\$ 83,000	\$ -	\$ 1,611,000	\$ (1,255,000)
<i>Keowee Hydro Station: Facilities Environmental</i>						
Asbestos Removal	\$ -	\$ -	\$ -	\$ 290,000	\$ 290,000	\$ -
Mercury & Universal Waste Disposal	\$ -	\$ -	\$ -	\$ 12,000	\$ 12,000	\$ -
Transformer Oil Disposal	\$ -	\$ -	\$ -	\$ 89,000	\$ 89,000	\$ -
Transformer Pad and Soil Removal	\$ -	\$ -	\$ -	\$ 10,000	\$ 10,000	\$ -
Subtotal	\$ -	\$ -	\$ -	\$ 401,000	\$ 401,000	\$ -
Keowee Hydro Station Subtotal	\$ 787,000	\$ 741,000	\$ 83,000	\$ 401,000	\$ 2,012,000	\$ (1,255,000)
TOTAL DECOM COST (CREDIT)					\$ 2,012,000	\$ (1,255,000)
PROJECT INDIRECTS (5%)					\$ 101,000	
CONTINGENCY (20%)					\$ 402,000	
TOTAL PROJECT COST (CREDIT)					\$ 2,515,000	\$ (1,255,000)
TOTAL NET PROJECT COST (CREDIT)					\$ 1,260,000	

Table B-21
Lincoln
Decommissioning Cost Summary

	Labor	Material and Equipment	Disposal	Environmental	Total Cost	Scrap Value
Lincoln						
<i>CTs 1-16</i>						
Turbines & Foundations	\$ 3,151,000	\$ 3,665,000	\$ -	\$ -	\$ 6,816,000	\$ -
GSUs	\$ 139,000	\$ 162,000	\$ -	\$ -	\$ 301,000	\$ -
Stack	\$ 34,000	\$ 39,000	\$ -	\$ -	\$ 73,000	\$ -
On-site Concrete Crushing & Disposal	\$ -	\$ -	\$ 70,000	\$ -	\$ 70,000	\$ -
Debris	\$ -	\$ -	\$ 3,000	\$ -	\$ 3,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (5,766,000)
Subtotal	\$ 3,324,000	\$ 3,866,000	\$ 73,000	\$ -	\$ 7,263,000	\$ (5,766,000)
<i>Common</i>						
Water Treatment Equipment and Piping	\$ 2,000	\$ 2,000	\$ -	\$ 518,000	\$ 522,000	\$ -
Roads	\$ 291,000	\$ 339,000	\$ 342,000	\$ -	\$ 972,000	\$ -
All BOP Buildings	\$ 190,000	\$ 221,000	\$ -	\$ -	\$ 411,000	\$ -
Fuel Equipment	\$ 131,000	\$ 152,000	\$ -	\$ -	\$ 283,000	\$ -
All Other Tanks	\$ 93,000	\$ 108,000	\$ -	\$ -	\$ 201,000	\$ -
Switchgear & Electrical	\$ 4,000	\$ 5,000	\$ -	\$ -	\$ 9,000	\$ -
Mercury & Universal Waste Disposal	\$ -	\$ -	\$ -	\$ 11,000	\$ 11,000	\$ -
Transformer Oil Disposal	\$ -	\$ -	\$ -	\$ 291,000	\$ 291,000	\$ -
Transformer Pad and Soil Removal	\$ -	\$ -	\$ -	\$ 9,000	\$ 9,000	\$ -
Soil Remediation Beneath Fuel Oil Tank	\$ -	\$ -	\$ -	\$ 125,000	\$ 125,000	\$ -
Fuel Oil Tank Cleaning	\$ -	\$ -	\$ -	\$ 112,000	\$ 112,000	\$ -
Fuel Oil Line Flushing/Cleaning	\$ -	\$ -	\$ -	\$ 24,000	\$ 24,000	\$ -
Grading & Seeding	\$ -	\$ -	\$ -	\$ 275,000	\$ 275,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (218,000)
Subtotal	\$ 711,000	\$ 827,000	\$ 342,000	\$ 1,365,000	\$ 3,245,000	\$ (218,000)
Lincoln Subtotal	\$ 4,035,000	\$ 4,693,000	\$ 415,000	\$ 1,365,000	\$ 10,508,000	\$ (5,984,000)
TOTAL DECOM COST (CREDIT)					\$ 10,508,000	\$ (5,984,000)
PROJECT INDIRECTS (5%)					\$ 525,000	
CONTINGENCY (20%)					\$ 2,102,000	
TOTAL PROJECT COST (CREDIT)					\$ 13,135,000	\$ (5,984,000)
TOTAL NET PROJECT COST (CREDIT)					\$ 7,151,000	

Table B-22
Lookout Shoals Hydro Station
Decommissioning Cost Summary

	Labor	Material and Equipment	Disposal	Environmental	Total Cost	Scrap Value
Lookout Shoals Hydro Station						
<i>Lookout Shoals Hydro Station: Unit 1</i>						
Demolition	\$ 588,000	\$ 630,000	\$ -	\$ -	\$ 1,218,000	\$ -
Debris	\$ -	\$ -	\$ 9,000	\$ -	\$ 9,000	\$ -
On Site Crushing	\$ -	\$ -	\$ 1,000	\$ -	\$ 1,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (339,000)
Subtotal	\$ 588,000	\$ 630,000	\$ 10,000	\$ -	\$ 1,228,000	\$ (339,000)
<i>Lookout Shoals Hydro Station: Facilities Environmental</i>						
Asbestos Removal	\$ -	\$ -	\$ -	\$ 116,000	\$ 116,000	\$ -
Mercury & Universal Waste Disposal	\$ -	\$ -	\$ -	\$ 11,000	\$ 11,000	\$ -
Transformer Oil Disposal	\$ -	\$ -	\$ -	\$ 20,000	\$ 20,000	\$ -
Transformer Pad and Soil Removal	\$ -	\$ -	\$ -	\$ 3,000	\$ 3,000	\$ -
Subtotal	\$ -	\$ -	\$ -	\$ 150,000	\$ 150,000	\$ -
Lookout Shoals Hydro Station Subtotal	\$ 588,000	\$ 630,000	\$ 10,000	\$ 150,000	\$ 1,378,000	\$ (339,000)
TOTAL DECOM COST (CREDIT)					\$ 1,378,000	\$ (339,000)
PROJECT INDIRECTS (5%)					\$ 69,000	
CONTINGENCY (20%)					\$ 276,000	
TOTAL PROJECT COST (CREDIT)					\$ 1,723,000	\$ (339,000)
TOTAL NET PROJECT COST (CREDIT)					\$ 1,384,000	

Table B-23
Marshall
Decommissioning Cost Summary

	Labor	Material and Equipment	Disposal	Environmental	Total Cost	Scrap Value
Marshall						
<i>Unit 1</i>						
Boiler	\$ 1,348,000	\$ 1,568,000	\$ -	\$ -	\$ 2,916,000	\$ -
Steam Turbine & Building	\$ 956,000	\$ 1,112,000	\$ -	\$ -	\$ 2,068,000	\$ -
Cooling Water Intakes and Circulating Water Pumps	\$ 1,000	\$ 1,000	\$ -	\$ 179,000	\$ 181,000	\$ -
Precipitator	\$ 369,000	\$ 430,000	\$ -	\$ -	\$ 799,000	\$ -
Switchyard & Substation	\$ 8,000	\$ 10,000	\$ -	\$ -	\$ 18,000	\$ -
Scrubber / FGD	\$ 178,000	\$ 207,000	\$ -	\$ -	\$ 385,000	\$ -
Stacks	\$ 87,000	\$ 101,000	\$ -	\$ -	\$ 188,000	\$ -
GSU & Foundation	\$ 32,000	\$ 37,000	\$ -	\$ -	\$ 69,000	\$ -
On-site Concrete Crushing & Disposal	\$ -	\$ -	\$ 80,000	\$ -	\$ 80,000	\$ -
Debris	\$ -	\$ -	\$ 56,000	\$ -	\$ 56,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (3,338,000)
Subtotal	\$ 2,979,000	\$ 3,466,000	\$ 136,000	\$ 179,000	\$ 6,760,000	\$ (3,338,000)
<i>Unit 2</i>						
Boiler	\$ 1,347,000	\$ 1,567,000	\$ -	\$ -	\$ 2,914,000	\$ -
Steam Turbine & Building	\$ 956,000	\$ 1,112,000	\$ -	\$ -	\$ 2,068,000	\$ -
Cooling Water Intakes and Circulating Water Pumps	\$ 1,000	\$ 1,000	\$ -	\$ 161,000	\$ 163,000	\$ -
Precipitator	\$ 369,000	\$ 430,000	\$ -	\$ -	\$ 799,000	\$ -
Switchyard & Substation	\$ 8,000	\$ 10,000	\$ -	\$ -	\$ 18,000	\$ -
Scrubber / FGD	\$ 178,000	\$ 207,000	\$ -	\$ -	\$ 385,000	\$ -
Stacks	\$ 87,000	\$ 101,000	\$ -	\$ -	\$ 188,000	\$ -
GSU & Foundation	\$ 32,000	\$ 37,000	\$ -	\$ -	\$ 69,000	\$ -
On-site Concrete Crushing & Disposal	\$ -	\$ -	\$ 90,000	\$ -	\$ 90,000	\$ -
Debris	\$ -	\$ -	\$ 55,000	\$ -	\$ 55,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (3,232,000)
Subtotal	\$ 2,978,000	\$ 3,465,000	\$ 145,000	\$ 161,000	\$ 6,749,000	\$ (3,232,000)
<i>Unit 3</i>						
Boiler	\$ 2,113,000	\$ 2,458,000	\$ -	\$ -	\$ 4,571,000	\$ -
Steam Turbine & Building	\$ 1,337,000	\$ 1,555,000	\$ -	\$ -	\$ 2,892,000	\$ -
Cooling Water Intakes and Circulating Water Pumps	\$ 1,000	\$ 1,000	\$ -	\$ 131,000	\$ 133,000	\$ -
Precipitator	\$ 535,000	\$ 622,000	\$ -	\$ -	\$ 1,157,000	\$ -
SCR	\$ 623,000	\$ 725,000	\$ -	\$ -	\$ 1,348,000	\$ -
Switchgear and Electrical	\$ 8,000	\$ 10,000	\$ -	\$ -	\$ 18,000	\$ -
Scrubber / FGD	\$ 355,000	\$ 413,000	\$ -	\$ -	\$ 768,000	\$ -
Stacks	\$ 23,000	\$ 27,000	\$ -	\$ -	\$ 50,000	\$ -
GSU & Foundation	\$ 38,000	\$ 45,000	\$ -	\$ -	\$ 83,000	\$ -
On-site Concrete Crushing & Disposal	\$ -	\$ -	\$ 111,000	\$ -	\$ 111,000	\$ -
Debris	\$ -	\$ -	\$ 19,000	\$ -	\$ 19,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (4,233,000)
Subtotal	\$ 5,033,000	\$ 5,856,000	\$ 130,000	\$ 131,000	\$ 11,150,000	\$ (4,233,000)
<i>Unit 4</i>						
Boiler	\$ 2,211,000	\$ 2,572,000	\$ -	\$ -	\$ 4,783,000	\$ -
Steam Turbine & Building	\$ 1,338,000	\$ 1,556,000	\$ -	\$ -	\$ 2,894,000	\$ -
Cooling Water Intakes and Circulating Water Pumps	\$ 1,000	\$ 1,000	\$ -	\$ 112,000	\$ 114,000	\$ -
Precipitator	\$ 535,000	\$ 622,000	\$ -	\$ -	\$ 1,157,000	\$ -
Switchyard & Substation	\$ 8,000	\$ 10,000	\$ -	\$ -	\$ 18,000	\$ -
Scrubber / FGD	\$ 356,000	\$ 414,000	\$ -	\$ -	\$ 770,000	\$ -
Stacks	\$ 23,000	\$ 27,000	\$ -	\$ -	\$ 50,000	\$ -
GSU & Foundation	\$ 44,000	\$ 52,000	\$ -	\$ -	\$ 96,000	\$ -
On-site Concrete Crushing & Disposal	\$ -	\$ -	\$ 111,000	\$ -	\$ 111,000	\$ -
Debris	\$ -	\$ -	\$ 19,000	\$ -	\$ 19,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (4,461,000)
Subtotal	\$ 4,516,000	\$ 5,254,000	\$ 130,000	\$ 112,000	\$ 10,012,000	\$ (4,461,000)
<i>Handling</i>						
Coal Handling Facilities	\$ 189,000	\$ 220,000	\$ -	\$ -	\$ 409,000	\$ -
Rail Spur Removal	\$ 94,000	\$ 109,000	\$ -	\$ -	\$ 203,000	\$ -
Limestone Handling Facilities	\$ 97,000	\$ 112,000	\$ -	\$ -	\$ 209,000	\$ -
On-site Concrete Crushing & Disposal	\$ -	\$ -	\$ 5,000	\$ -	\$ 5,000	\$ -
Debris	\$ -	\$ -	\$ 30,000	\$ -	\$ 30,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (273,000)
Subtotal	\$ 380,000	\$ 441,000	\$ 35,000	\$ -	\$ 856,000	\$ (273,000)
<i>Common</i>						
Water Treatment Equipment and Piping	\$ 263,000	\$ 306,000	\$ -	\$ -	\$ 569,000	\$ -
Roads	\$ 45,000	\$ 52,000	\$ 52,000	\$ -	\$ 149,000	\$ -
All BOP Buildings	\$ 157,000	\$ 183,000	\$ -	\$ -	\$ 340,000	\$ -
Fuel Equipment	\$ 55,000	\$ 64,000	\$ -	\$ -	\$ 119,000	\$ -
All Other Tanks	\$ 3,000	\$ 3,000	\$ -	\$ -	\$ 6,000	\$ -
GSU & Foundation	\$ 17,000	\$ 20,000	\$ -	\$ -	\$ 37,000	\$ -
Refractory Disposal	\$ -	\$ -	\$ -	\$ 27,000	\$ 27,000	\$ -
Mercury & Universal Waste Disposal	\$ -	\$ -	\$ -	\$ 11,000	\$ 11,000	\$ -
Transformer Oil Disposal	\$ -	\$ -	\$ -	\$ 233,000	\$ 233,000	\$ -
Transformer Pad and Soil Removal	\$ -	\$ -	\$ -	\$ 15,000	\$ 15,000	\$ -
Soil Remediation Beneath Fuel Oil Tank	\$ -	\$ -	\$ -	\$ 12,000	\$ 12,000	\$ -
Fuel Oil Line Flushing/Cleaning	\$ -	\$ -	\$ -	\$ 19,000	\$ 19,000	\$ -
Coal Pile Remediation	\$ -	\$ -	\$ -	\$ 5,387,000	\$ 5,387,000	\$ -
Concrete Removal, Crushing, & Disposal	\$ -	\$ -	\$ 40,000	\$ -	\$ 40,000	\$ -
Grading & Seeding	\$ -	\$ -	\$ -	\$ 3,556,000	\$ 3,556,000	\$ -

Scrap	\$	-	\$	-	\$	-	\$	-	\$	-	\$	(459,000)
Subtotal	\$	540,000	\$	628,000	\$	92,000	\$	9,260,000	\$	10,520,000	\$	(459,000)
Marshall Subtotal	\$	16,426,000	\$	19,110,000	\$	668,000	\$	9,843,000	\$	46,047,000	\$	(15,996,000)
TOTAL DECOM COST (CREDIT)									\$	46,047,000	\$	(15,996,000)
PROJECT INDIRECTS (5%)									\$	2,302,000		
CONTINGENCY (20%)									\$	9,209,000		
TOTAL PROJECT COST (CREDIT)									\$	57,558,000	\$	(15,996,000)
TOTAL NET PROJECT COST (CREDIT)									\$	41,562,000		

**Table B-24
Mill Creek
Decommissioning Cost Summary**

	Labor	Material and Equipment	Disposal	Environmental	Total Cost	Scrap Value
Mill Creek						
<i>CTs 1-8</i>						
CTs	\$ 875,000	\$ 1,018,000	\$ -	\$ -	\$ 1,893,000	\$ -
Stack (Metal)	\$ 37,000	\$ 43,000	\$ -	\$ -	\$ 80,000	\$ -
GSUs, Electrical, & Foundation	\$ 119,000	\$ 138,000	\$ -	\$ -	\$ 257,000	\$ -
On-site Concrete Crushing & Disposal	\$ -	\$ -	\$ 15,000	\$ -	\$ 15,000	\$ -
Debris	\$ -	\$ -	\$ 10,000	\$ -	\$ 10,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (2,298,000)
Subtotal	\$ 1,031,000	\$ 1,199,000	\$ 25,000	\$ -	\$ 2,255,000	\$ (2,298,000)
<i>Common</i>						
Switchgear & Electrical	\$ 5,000	\$ 5,000	\$ -	\$ -	\$ 10,000	\$ -
BOP Misc.	\$ 8,000	\$ 9,000	\$ -	\$ -	\$ 17,000	\$ -
Roads	\$ 170,000	\$ 198,000	\$ 125,000	\$ -	\$ 493,000	\$ -
All BOP Buildings	\$ 104,000	\$ 121,000	\$ -	\$ -	\$ 225,000	\$ -
Fuel Oil Tanks and Equipment	\$ 110,000	\$ 128,000	\$ -	\$ -	\$ 238,000	\$ -
All Other Tanks	\$ 40,000	\$ 47,000	\$ -	\$ -	\$ 87,000	\$ -
Mercury & Universal Waste Disposal	\$ -	\$ -	\$ -	\$ 12,000	\$ 12,000	\$ -
Transformer Oil Disposal	\$ -	\$ -	\$ -	\$ 89,000	\$ 89,000	\$ -
Transformer Pad and Soil Removal	\$ -	\$ -	\$ -	\$ 18,000	\$ 18,000	\$ -
Soil Remediation Beneath Fuel Oil Tank	\$ -	\$ -	\$ -	\$ 74,000	\$ 74,000	\$ -
Fuel Oil Tank Cleaning	\$ -	\$ -	\$ -	\$ 51,000	\$ 51,000	\$ -
Fuel Oil Line Flushing/Cleaning	\$ -	\$ -	\$ -	\$ 19,000	\$ 19,000	\$ -
Concrete Removal, Crushing, & Disposal	\$ -	\$ -	\$ 14,000	\$ -	\$ 14,000	\$ -
Grading & Seeding	\$ -	\$ -	\$ -	\$ 967,000	\$ 967,000	\$ -
Debris	\$ -	\$ -	\$ 1,000	\$ -	\$ 1,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (87,000)
Subtotal	\$ 437,000	\$ 508,000	\$ 140,000	\$ 1,230,000	\$ 2,315,000	\$ (87,000)
Mill Creek Subtotal	\$ 1,468,000	\$ 1,707,000	\$ 165,000	\$ 1,230,000	\$ 4,570,000	\$ (2,385,000)
TOTAL DECOM COST (CREDIT)					\$ 4,570,000	\$ (2,385,000)
PROJECT INDIRECTS (5%)					\$ 229,000	
CONTINGENCY (20%)					\$ 914,000	
TOTAL PROJECT COST (CREDIT)					\$ 5,713,000	\$ (2,385,000)
TOTAL NET PROJECT COST (CREDIT)					\$ 3,328,000	

Table B-25
Mission Hydroelectric Plant
Decommissioning Cost Summary

	Labor	Material and Equipment	Disposal	Environmental	Total Cost	Scrap Value
Mission Hydroelectric Plant						
<i>Mission Hydroelectric Plant: Unit 1</i>						
Demolition	\$ 544,000	\$ 584,000	\$ -	\$ -	\$ 1,128,000	\$ -
Debris	\$ -	\$ -	\$ 1,000	\$ -	\$ 1,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (39,000)
Subtotal	\$ 544,000	\$ 584,000	\$ 1,000	\$ -	\$ 1,129,000	\$ (39,000)
<i>Mission Hydroelectric Plant: Facilities Environmental</i>						
Asbestos Removal	\$ -	\$ -	\$ -	\$ 31,000	\$ 31,000	\$ -
Mercury & Universal Waste Disposal	\$ -	\$ -	\$ -	\$ 11,000	\$ 11,000	\$ -
Transformer Oil Disposal	\$ -	\$ -	\$ -	\$ 3,000	\$ 3,000	\$ -
Transformer Pad and Soil Removal	\$ -	\$ -	\$ -	\$ 1,000	\$ 1,000	\$ -
Subtotal	\$ -	\$ -	\$ -	\$ 46,000	\$ 46,000	\$ -
Mission Hydroelectric Plant Subtotal	\$ 544,000	\$ 584,000	\$ 1,000	\$ 46,000	\$ 1,175,000	\$ (39,000)
TOTAL DECOM COST (CREDIT)					\$ 1,175,000	\$ (39,000)
PROJECT INDIRECTS (5%)					\$ 59,000	
CONTINGENCY (20%)					\$ 235,000	
TOTAL PROJECT COST (CREDIT)					\$ 1,469,000	\$ (39,000)
TOTAL NET PROJECT COST (CREDIT)					\$ 1,430,000	

Table B-26
Mocksville
Solar Decommissioning Cost Summary

	Labor	Material and Equipment	Disposal	Environmental	Total Cost	Scrap Value
Mocksville						
<i>Unit 1</i>						
Substation	\$ 8,000	\$ 2,000	\$ -	\$ -	\$ 10,000	\$ -
Solar Panel Removal/Recycling	\$ 317,000	\$ 84,000	\$ 205,000	\$ -	\$ 606,000	\$ -
Solar Panel Support	\$ 345,000	\$ 91,000	\$ -	\$ -	\$ 436,000	\$ -
Cables and Wires	\$ 35,000	\$ 9,000	\$ -	\$ -	\$ 44,000	\$ -
Transformer and Inverter Block	\$ 28,000	\$ 7,000	\$ -	\$ -	\$ 35,000	\$ -
Roads	\$ -	\$ -	\$ -	\$ 43,000	\$ 43,000	\$ -
Perimeter Fence Removal	\$ 42,000	\$ 11,000	\$ -	\$ -	\$ 53,000	\$ -
On-site Concrete Crushing and Removal	\$ -	\$ -	\$ 2,000	\$ -	\$ 2,000	\$ -
Site Restoration	\$ -	\$ -	\$ -	\$ 689,000	\$ 689,000	\$ -
Debris	\$ -	\$ -	\$ 7,000	\$ -	\$ 7,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (532,000)
Subtotal	\$ 775,000	\$ 204,000	\$ 214,000	\$ 732,000	\$ 1,925,000	\$ (532,000)
Mocksville Subtotal	\$ 775,000	\$ 204,000	\$ 214,000	\$ 732,000	\$ 1,925,000	\$ (532,000)
TOTAL DECOM COST (CREDIT)					\$ 1,925,000	\$ (532,000)
PROJECT INDIRECTS (5%)					\$ 96,250	
CONTINGENCY (20%)					\$ 385,000	
TOTAL PROJECT COST (CREDIT)					\$ 2,406,000	\$ (532,000)
TOTAL NET PROJECT COST (CREDIT)					\$ 1,874,000	

Table B-27
Monroe
Solar Decommissioning Cost Summary

	Labor	Material and Equipment	Disposal	Environmental	Total Cost	Scrap Value
Monroe						
<i>Unit 1</i>						
Substation	\$ 12,000	\$ 3,000	\$ -	\$ -	\$ 15,000	\$ -
Solar Panel Removal/Recycling	\$ 1,449,000	\$ 382,000	\$ 1,048,000	\$ -	\$ 2,879,000	\$ -
Solar Panel Support	\$ 1,248,000	\$ 329,000	\$ -	\$ -	\$ 1,577,000	\$ -
Cables and Wires	\$ 93,000	\$ 24,000	\$ -	\$ -	\$ 117,000	\$ -
Transformer and Inverter Block	\$ 90,000	\$ 24,000	\$ -	\$ -	\$ 114,000	\$ -
Combiner Boxes	\$ 1,000	\$ -	\$ -	\$ -	\$ 1,000	\$ -
Perimeter Fence Removal	\$ 76,000	\$ 20,000	\$ -	\$ 43,000	\$ 139,000	\$ -
Site Restoration	\$ -	\$ -	\$ -	\$ 2,553,000	\$ 2,553,000	\$ -
On-site Concrete Crushing and Removal	\$ -	\$ -	\$ 5,000	\$ -	\$ 5,000	\$ -
Debris	\$ -	\$ -	\$ 20,000	\$ -	\$ 20,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (1,860,000)
Subtotal	\$ 2,969,000	\$ 782,000	\$ 1,073,000	\$ 2,596,000	\$ 7,420,000	\$ (1,860,000)
Monroe Subtotal	\$ 2,969,000	\$ 782,000	\$ 1,073,000	\$ 2,596,000	\$ 7,420,000	\$ (1,860,000)
TOTAL DECOM COST (CREDIT)					\$ 7,420,000	\$ (1,860,000)
PROJECT INDIRECTS (5%)					\$ 371,000	
CONTINGENCY (20%)					\$ 1,484,000	
TOTAL PROJECT COST (CREDIT)					\$ 9,275,000	\$ (1,860,000)
TOTAL NET PROJECT COST (CREDIT)					\$ 7,415,000	

Table B-28
Mountain Island Hydro Station
Decommissioning Cost Summary

	Labor	Material and Equipment	Disposal	Environmental	Total Cost	Scrap Value
Mountain Island Hydro Station						
<i>Mountain Island Hydro Station: Unit 1</i>						
Demolition	\$ 764,000	\$ 801,000	\$ -	\$ -	\$ 1,565,000	\$ -
Debris	\$ -	\$ -	\$ 5,000	\$ -	\$ 5,000	\$ -
On Site Crushing	\$ -	\$ -	\$ 1,000	\$ -	\$ 1,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (569,000)
Subtotal	\$ 764,000	\$ 801,000	\$ 6,000	\$ -	\$ 1,571,000	\$ (569,000)
<i>Mountain Island Hydro Station: Facilities Environmental</i>						
Asbestos Removal	\$ -	\$ -	\$ -	\$ 413,000	\$ 413,000	\$ -
Mercury & Universal Waste Disposal	\$ -	\$ -	\$ -	\$ 11,000	\$ 11,000	\$ -
Transformer Oil Disposal	\$ -	\$ -	\$ -	\$ 7,000	\$ 7,000	\$ -
Transformer Pad and Soil Removal	\$ -	\$ -	\$ -	\$ 5,000	\$ 5,000	\$ -
Subtotal	\$ -	\$ -	\$ -	\$ 436,000	\$ 436,000	\$ -
Mountain Island Hydro Station Subtotal	\$ 764,000	\$ 801,000	\$ 6,000	\$ 436,000	\$ 2,007,000	\$ (569,000)
TOTAL DECOM COST (CREDIT)					\$ 2,007,000	\$ (569,000)
PROJECT INDIRECTS (5%)					\$ 100,000	
CONTINGENCY (20%)					\$ 401,000	
TOTAL PROJECT COST (CREDIT)					\$ 2,508,000	\$ (569,000)
TOTAL NET PROJECT COST (CREDIT)					\$ 1,939,000	

Table B-29
Nantahala Hydro Station
Decommissioning Cost Summary

	Labor	Material and Equipment	Disposal	Environmental	Total Cost	Scrap Value
Nantahala Hydro Station						
<i>Nantahala Hydro Station: Unit 1</i>						
Demolition	\$ 384,000	\$ 432,000	\$ -	\$ -	\$ 816,000	\$ -
Debris	\$ -	\$ -	\$ 28,000	\$ -	\$ 28,000	\$ -
On Site Crushing	\$ -	\$ -	\$ 2,000	\$ -	\$ 2,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (304,000)
Subtotal	\$ 384,000	\$ 432,000	\$ 30,000	\$ -	\$ 846,000	\$ (304,000)
<i>Nantahala Hydro Station: Facilities Environmental</i>						
Asbestos Removal	\$ -	\$ -	\$ -	\$ 73,000	\$ 73,000	\$ -
Mercury & Universal Waste Disposal	\$ -	\$ -	\$ -	\$ 11,000	\$ 11,000	\$ -
Transformer Oil Disposal	\$ -	\$ -	\$ -	\$ 16,000	\$ 16,000	\$ -
Transformer Pad and Soil Removal	\$ -	\$ -	\$ -	\$ 2,000	\$ 2,000	\$ -
Subtotal	\$ -	\$ -	\$ -	\$ 102,000	\$ 102,000	\$ -
Nantahala Hydro Station Subtotal	\$ 384,000	\$ 432,000	\$ 30,000	\$ 102,000	\$ 948,000	\$ (304,000)
TOTAL DECOM COST (CREDIT)					\$ 948,000	\$ (304,000)
PROJECT INDIRECTS (5%)					\$ 47,000	
CONTINGENCY (20%)					\$ 190,000	
TOTAL PROJECT COST (CREDIT)					\$ 1,185,000	\$ (304,000)
TOTAL NET PROJECT COST (CREDIT)					\$ 881,000	

Table B-30
Oxford Hydro Station
Decommissioning Cost Summary

	Labor	Material and Equipment	Disposal	Environmental	Total Cost	Scrap Value
Oxford Hydro Station						
<i>Oxford Hydro Station: Unit 1</i>						
Demolition	\$ 452,000	\$ 496,000	\$ -	\$ -	\$ 948,000	\$ -
Debris	\$ -	\$ -	\$ 14,000	\$ -	\$ 14,000	\$ -
On Site Crushing	\$ -	\$ -	\$ 1,000	\$ -	\$ 1,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (400,000)
Subtotal	\$ 452,000	\$ 496,000	\$ 15,000	\$ -	\$ 963,000	\$ (400,000)
<i>Oxford Hydro Station: Facilities Environmental</i>						
Asbestos Removal	\$ -	\$ -	\$ -	\$ 120,000	\$ 120,000	\$ -
Mercury & Universal Waste Disposal	\$ -	\$ -	\$ -	\$ 11,000	\$ 11,000	\$ -
Transformer Oil Disposal	\$ -	\$ -	\$ -	\$ 35,000	\$ 35,000	\$ -
Transformer Pad and Soil Removal	\$ -	\$ -	\$ -	\$ 5,000	\$ 5,000	\$ -
Subtotal	\$ -	\$ -	\$ -	\$ 171,000	\$ 171,000	\$ -
Oxford Hydro Station Subtotal	\$ 452,000	\$ 496,000	\$ 15,000	\$ 171,000	\$ 1,134,000	\$ (400,000)
TOTAL DECOM COST (CREDIT)					\$ 1,134,000	\$ (400,000)
PROJECT INDIRECTS (5%)					\$ 57,000	
CONTINGENCY (20%)					\$ 227,000	
TOTAL PROJECT COST (CREDIT)					\$ 1,418,000	\$ (400,000)
TOTAL NET PROJECT COST (CREDIT)					\$ 1,018,000	

Table B-31
Queens Creek Hydro Station
Decommissioning Cost Summary

	Labor	Material and Equipment	Disposal	Environmental	Total Cost	Scrap Value
Queens Creek Hydro Station						
<i>Queens Creek Hydro Station: Unit 1</i>						
Demolition	\$ 253,000	\$ 314,000	\$ -	\$ -	\$ 567,000	\$ -
Debris	\$ -	\$ -	\$ 2,000	\$ -	\$ 2,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (68,000)
Subtotal	\$ 253,000	\$ 314,000	\$ 2,000	\$ -	\$ 569,000	\$ (68,000)
<i>Queens Creek Hydro Station: Facilities Environmental</i>						
Asbestos Removal	\$ -	\$ -	\$ -	\$ 10,000	\$ 10,000	\$ -
Mercury & Universal Waste Disposal	\$ -	\$ -	\$ -	\$ 11,000	\$ 11,000	\$ -
Transformer Oil Disposal	\$ -	\$ -	\$ -	\$ 5,000	\$ 5,000	\$ -
Transformer Pad and Soil Removal	\$ -	\$ -	\$ -	\$ 1,000	\$ 1,000	\$ -
Subtotal	\$ -	\$ -	\$ -	\$ 27,000	\$ 27,000	\$ -
Queens Creek Hydro Station Subtotal	\$ 253,000	\$ 314,000	\$ 2,000	\$ 27,000	\$ 596,000	\$ (68,000)
TOTAL DECOM COST (CREDIT)					\$ 596,000	\$ (68,000)
PROJECT INDIRECTS (5%)					\$ 30,000	
CONTINGENCY (20%)					\$ 119,000	
TOTAL PROJECT COST (CREDIT)					\$ 745,000	\$ (68,000)
TOTAL NET PROJECT COST (CREDIT)					\$ 677,000	

Table B-32
Rhodiss Hydro Station
Decommissioning Cost Summary

	Labor	Material and Equipment	Disposal	Environmental	Total Cost	Scrap Value
Rhodiss Hydro Station						
<i>Rhodiss Hydro Station: Unit 1</i>						
Demolition	\$ 628,000	\$ 637,000	\$ -	\$ -	\$ 1,265,000	\$ -
Debris	\$ -	\$ -	\$ 7,000	\$ -	\$ 7,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (418,000)
Subtotal	\$ 628,000	\$ 637,000	\$ 7,000	\$ -	\$ 1,272,000	\$ (418,000)
<i>Rhodiss Hydro Station: Facilities Environmental</i>						
Asbestos Removal	\$ -	\$ -	\$ -	\$ 198,000	\$ 198,000	\$ -
Mercury & Universal Waste Disposal	\$ -	\$ -	\$ -	\$ 11,000	\$ 11,000	\$ -
Transformer Oil Disposal	\$ -	\$ -	\$ -	\$ 22,000	\$ 22,000	\$ -
Transformer Pad and Soil Removal	\$ -	\$ -	\$ -	\$ 4,000	\$ 4,000	\$ -
Subtotal	\$ -	\$ -	\$ -	\$ 235,000	\$ 235,000	\$ -
Rhodiss Hydro Station Subtotal	\$ 628,000	\$ 637,000	\$ 7,000	\$ 235,000	\$ 1,507,000	\$ (418,000)
TOTAL DECOM COST (CREDIT)					\$ 1,507,000	\$ (418,000)
PROJECT INDIRECTS (5%)					\$ 75,000	
CONTINGENCY (20%)					\$ 301,000	
TOTAL PROJECT COST (CREDIT)					\$ 1,883,000	\$ (418,000)
TOTAL NET PROJECT COST (CREDIT)					\$ 1,465,000	

Table B-33
Rockingham
Decommissioning Cost Summary

	Labor	Material and Equipment	Disposal	Environmental	Total Cost	Scrap Value
Rockingham						
<i>Unit 1-5</i>						
CTs	\$ 1,010,000	\$ 1,175,000	\$ -	\$ -	\$ 2,185,000	\$ -
Stack (Metal)	\$ 26,000	\$ 30,000	\$ -	\$ -	\$ 56,000	\$ -
GSUs, Electrical, & Foundation	\$ 162,000	\$ 188,000	\$ -	\$ -	\$ 350,000	\$ -
On-site Concrete Crushing & Disposal	\$ -	\$ -	\$ 25,000	\$ -	\$ 25,000	\$ -
Debris	\$ -	\$ -	\$ 11,000	\$ -	\$ 11,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (2,366,000)
Subtotal	\$ 1,198,000	\$ 1,393,000	\$ 36,000	\$ -	\$ 2,627,000	\$ (2,366,000)
<i>Common</i>						
Switchgear & Electrical	\$ 5,000	\$ 5,000	\$ -	\$ -	\$ 10,000	\$ -
BOP Misc.	\$ 7,000	\$ 8,000	\$ -	\$ -	\$ 15,000	\$ -
Roads	\$ 41,000	\$ 48,000	\$ 52,000	\$ -	\$ 141,000	\$ -
All BOP Buildings	\$ 50,000	\$ 58,000	\$ -	\$ -	\$ 108,000	\$ -
Fuel Oil Tanks and Equipment	\$ 7,000	\$ 8,000	\$ -	\$ -	\$ 15,000	\$ -
All Other Tanks	\$ 29,000	\$ 34,000	\$ -	\$ -	\$ 63,000	\$ -
GSU & Foundation	\$ 12,000	\$ 14,000	\$ -	\$ -	\$ 26,000	\$ -
Mercury & Universal Waste Disposal	\$ -	\$ -	\$ -	\$ 12,000	\$ 12,000	\$ -
Transformer Oil Disposal	\$ -	\$ -	\$ -	\$ 233,000	\$ 233,000	\$ -
Transformer Pad and Soil Removal	\$ -	\$ -	\$ -	\$ 35,000	\$ 35,000	\$ -
Soil Remediation Beneath Fuel Oil Tank	\$ -	\$ -	\$ -	\$ 18,000	\$ 18,000	\$ -
Fuel Oil Tank Cleaning	\$ -	\$ -	\$ -	\$ 62,000	\$ 62,000	\$ -
Fuel Oil Line Flushing/Cleaning	\$ -	\$ -	\$ -	\$ 8,000	\$ 8,000	\$ -
Concrete Removal, Crushing, & Disposal	\$ -	\$ -	\$ 5,000	\$ -	\$ 5,000	\$ -
Grading & Seeding	\$ -	\$ -	\$ -	\$ 456,000	\$ 456,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (42,000)
Subtotal	\$ 151,000	\$ 175,000	\$ 57,000	\$ 824,000	\$ 1,207,000	\$ (42,000)
Rockingham Subtotal	\$ 1,349,000	\$ 1,568,000	\$ 93,000	\$ 824,000	\$ 3,834,000	\$ (2,408,000)
TOTAL DECOM COST (CREDIT)					\$ 3,834,000	\$ (2,408,000)
PROJECT INDIRECTS (5%)					\$ 192,000	
CONTINGENCY (20%)					\$ 767,000	
TOTAL PROJECT COST (CREDIT)					\$ 4,793,000	\$ (2,408,000)
TOTAL NET PROJECT COST (CREDIT)					\$ 2,385,000	

Table B-34
Rocky Creek Hydro Station
Decommissioning Cost Summary

	Labor	Material and Equipment	Disposal	Environmental	Total Cost	Scrap Value
Rocky Creek Hydro Station						
<i>Rocky Creek Hydro Station: Unit 1</i>						
Demolition	\$ 1,489,000	\$ 1,417,000	\$ -	\$ -	\$ 2,906,000	\$ -
Debris	\$ -	\$ -	\$ 6,000	\$ -	\$ 6,000	\$ -
On Site Crushing	\$ -	\$ -	\$ 1,000	\$ -	\$ 1,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (406,000)
Subtotal	\$ 1,489,000	\$ 1,417,000	\$ 7,000	\$ -	\$ 2,913,000	\$ (406,000)
<i>Rocky Creek Hydro Station: Facilities Environmental</i>						
Asbestos Removal	\$ -	\$ -	\$ -	\$ 183,000	\$ 183,000	\$ -
Mercury & Universal Waste Disposal	\$ -	\$ -	\$ -	\$ 11,000	\$ 11,000	\$ -
Transformer Oil Disposal	\$ -	\$ -	\$ -	\$ 10,000	\$ 10,000	\$ -
Transformer Pad and Soil Removal	\$ -	\$ -	\$ -	\$ 5,000	\$ 5,000	\$ -
Subtotal	\$ -	\$ -	\$ -	\$ 209,000	\$ 209,000	\$ -
Rocky Creek Hydro Station Subtotal	\$ 1,489,000	\$ 1,417,000	\$ 7,000	\$ 209,000	\$ 3,122,000	\$ (406,000)
TOTAL DECOM COST (CREDIT)					\$ 3,122,000	\$ (406,000)
PROJECT INDIRECTS (5%)					\$ 156,000	
CONTINGENCY (20%)					\$ 624,000	
TOTAL PROJECT COST (CREDIT)					\$ 3,902,000	\$ (406,000)
TOTAL NET PROJECT COST (CREDIT)					\$ 3,496,000	

Table B-35
Tennessee Creek Hydro Station
Decommissioning Cost Summary

	Labor	Material and Equipment	Disposal	Environmental	Total Cost	Scrap Value
Tennessee Creek Hydro Station						
<i>Tennessee Creek Hydro Station: Unit 1</i>						
Demolition	\$ 277,000	\$ 324,000	\$ -	\$ -	\$ 601,000	\$ -
Debris	\$ -	\$ -	\$ 12,000	\$ -	\$ 12,000	\$ -
On Site Crushing	\$ -	\$ -	\$ 1,000	\$ -	\$ 1,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (152,000)
Subtotal	\$ 277,000	\$ 324,000	\$ 13,000	\$ -	\$ 614,000	\$ (152,000)
<i>Tennessee Creek Hydro Station: Facilities Environmental</i>						
Asbestos Removal	\$ -	\$ -	\$ -	\$ 24,000	\$ 24,000	\$ -
Mercury & Universal Waste Disposal	\$ -	\$ -	\$ -	\$ 11,000	\$ 11,000	\$ -
Transformer Oil Disposal	\$ -	\$ -	\$ -	\$ 36,000	\$ 36,000	\$ -
Transformer Pad and Soil Removal	\$ -	\$ -	\$ -	\$ 2,000	\$ 2,000	\$ -
Subtotal	\$ -	\$ -	\$ -	\$ 73,000	\$ 73,000	\$ -
Tennessee Creek Hydro Station Subtotal	\$ 277,000	\$ 324,000	\$ 13,000	\$ 73,000	\$ 687,000	\$ (152,000)
TOTAL DECOM COST (CREDIT)					\$ 687,000	\$ (152,000)
PROJECT INDIRECTS (5%)					\$ 34,000	
CONTINGENCY (20%)					\$ 137,000	
TOTAL PROJECT COST (CREDIT)					\$ 858,000	\$ (152,000)
TOTAL NET PROJECT COST (CREDIT)					\$ 706,000	

Table B-36
Thorpe Hydro Station
Decommissioning Cost Summary

	Labor	Material and Equipment	Disposal	Environmental	Total Cost	Scrap Value
Thorpe Hydro Station						
<i>Thorpe Hydro Station: Unit 1</i>						
Demolition	\$ 306,000	\$ 337,000	\$ -	\$ -	\$ 643,000	\$ -
Debris	\$ -	\$ -	\$ 40,000	\$ -	\$ 40,000	\$ -
On Site Crushing	\$ -	\$ -	\$ 3,000	\$ -	\$ 3,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (211,000)
Subtotal	\$ 306,000	\$ 337,000	\$ 43,000	\$ -	\$ 686,000	\$ (211,000)
<i>Thorpe Hydro Station: Facilities Environmental</i>						
Asbestos Removal	\$ -	\$ -	\$ -	\$ 120,000	\$ 120,000	\$ -
Mercury & Universal Waste Disposal	\$ -	\$ -	\$ -	\$ 11,000	\$ 11,000	\$ -
Transformer Oil Disposal	\$ -	\$ -	\$ -	\$ 30,000	\$ 30,000	\$ -
Transformer Pad and Soil Removal	\$ -	\$ -	\$ -	\$ 2,000	\$ 2,000	\$ -
Subtotal	\$ -	\$ -	\$ -	\$ 163,000	\$ 163,000	\$ -
Thorpe Hydro Station Subtotal	\$ 306,000	\$ 337,000	\$ 43,000	\$ 163,000	\$ 849,000	\$ (211,000)
TOTAL DECOM COST (CREDIT)					\$ 849,000	\$ (211,000)
PROJECT INDIRECTS (5%)					\$ 42,000	
CONTINGENCY (20%)					\$ 170,000	
TOTAL PROJECT COST (CREDIT)					\$ 1,061,000	\$ (211,000)
TOTAL NET PROJECT COST (CREDIT)					\$ 850,000	

Table B-37
Tuckasegee Hydro Station
Decommissioning Cost Summary

	Labor	Material and Equipment	Disposal	Environmental	Total Cost	Scrap Value
Tuckasegee Hydro Station						
<i>Tuckasegee Hydro Station: Unit 1</i>						
Demolition	\$ 202,000	\$ 266,000	\$ -	\$ -	\$ 468,000	\$ -
Debris	\$ -	\$ -	\$ 4,000	\$ -	\$ 4,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (49,000)
Subtotal	\$ 202,000	\$ 266,000	\$ 4,000	\$ -	\$ 472,000	\$ (49,000)
<i>Tuckasegee Hydro Station: Facilities Environmental</i>						
Asbestos Removal	\$ -	\$ -	\$ -	\$ 17,000	\$ 17,000	\$ -
Mercury & Universal Waste Disposal	\$ -	\$ -	\$ -	\$ 11,000	\$ 11,000	\$ -
Transformer Oil Disposal	\$ -	\$ -	\$ -	\$ 9,000	\$ 9,000	\$ -
Transformer Pad and Soil Removal	\$ -	\$ -	\$ -	\$ 1,000	\$ 1,000	\$ -
Subtotal	\$ -	\$ -	\$ -	\$ 38,000	\$ 38,000	\$ -
Tuckasegee Hydro Station Subtotal	\$ 202,000	\$ 266,000	\$ 4,000	\$ 38,000	\$ 510,000	\$ (49,000)
TOTAL DECOM COST (CREDIT)					\$ 510,000	\$ (49,000)
PROJECT INDIRECTS (5%)					\$ 26,000	
CONTINGENCY (20%)					\$ 102,000	
TOTAL PROJECT COST (CREDIT)					\$ 638,000	\$ (49,000)
TOTAL NET PROJECT COST (CREDIT)					\$ 589,000	

Table B-38
Tuxedo Hydro Station
Decommissioning Cost Summary

	Labor	Material and Equipment	Disposal	Environmental	Total Cost	Scrap Value
Tuxedo Hydro Station						
<i>Tuxedo Hydro Station: Unit 1</i>						
Demolition	\$ 434,000	\$ 440,000	\$ -	\$ -	\$ 874,000	\$ -
Debris	\$ -	\$ -	\$ 10,000	\$ -	\$ 10,000	\$ -
On Site Crushing	\$ -	\$ -	\$ 1,000	\$ -	\$ 1,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (191,000)
Subtotal	\$ 434,000	\$ 440,000	\$ 11,000	\$ -	\$ 885,000	\$ (191,000)
<i>Tuxedo Hydro Station: Facilities Environmental</i>						
Asbestos Removal	\$ -	\$ -	\$ -	\$ 47,000	\$ 47,000	\$ -
Mercury & Universal Waste Disposal	\$ -	\$ -	\$ -	\$ 11,000	\$ 11,000	\$ -
Transformer Oil Disposal	\$ -	\$ -	\$ -	\$ 9,000	\$ 9,000	\$ -
Transformer Pad and Soil Removal	\$ -	\$ -	\$ -	\$ 1,000	\$ 1,000	\$ -
Subtotal	\$ -	\$ -	\$ -	\$ 68,000	\$ 68,000	\$ -
Tuxedo Hydro Station Subtotal	\$ 434,000	\$ 440,000	\$ 11,000	\$ 68,000	\$ 953,000	\$ (191,000)
TOTAL DECOM COST (CREDIT)					\$ 953,000	\$ (191,000)
PROJECT INDIRECTS (5%)					\$ 48,000	
CONTINGENCY (20%)					\$ 191,000	
TOTAL PROJECT COST (CREDIT)					\$ 1,192,000	\$ (191,000)
TOTAL NET PROJECT COST (CREDIT)					\$ 1,001,000	

Table B-39
Wateree Hydro Station
Decommissioning Cost Summary

	Labor	Material and Equipment	Disposal	Environmental	Total Cost	Scrap Value
Wateree Hydro Station						
<i>Wateree Hydro Station: Unit 1</i>						
Demolition	\$ 1,040,000	\$ 991,000	\$ -	\$ -	\$ 2,031,000	\$ -
Debris	\$ -	\$ -	\$ 13,000	\$ -	\$ 13,000	\$ -
On Site Crushing	\$ -	\$ -	\$ 1,000	\$ -	\$ 1,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (816,000)
Subtotal	\$ 1,040,000	\$ 991,000	\$ 14,000	\$ -	\$ 2,045,000	\$ (816,000)
<i>Wateree Hydro Station: Facilities Environmental</i>						
Asbestos Removal	\$ -	\$ -	\$ -	\$ 232,000	\$ 232,000	\$ -
Mercury & Universal Waste Disposal	\$ -	\$ -	\$ -	\$ 11,000	\$ 11,000	\$ -
Transformer Oil Disposal	\$ -	\$ -	\$ -	\$ 31,000	\$ 31,000	\$ -
Transformer Pad and Soil Removal	\$ -	\$ -	\$ -	\$ 10,000	\$ 10,000	\$ -
Subtotal	\$ -	\$ -	\$ -	\$ 284,000	\$ 284,000	\$ -
Wateree Hydro Station Subtotal	\$ 1,040,000	\$ 991,000	\$ 14,000	\$ 284,000	\$ 2,329,000	\$ (816,000)
TOTAL DECOM COST (CREDIT)					\$ 2,329,000	\$ (816,000)
PROJECT INDIRECTS (5%)					\$ 116,000	
CONTINGENCY (20%)					\$ 466,000	
TOTAL PROJECT COST (CREDIT)					\$ 2,911,000	\$ (816,000)
TOTAL NET PROJECT COST (CREDIT)					\$ 2,095,000	

Table B-40
W.S. Lee NG Fired Boiler
Decommissioning Cost Summary

	Labor	Material and Equipment	Disposal	Environmental	Total Cost	Scrap Value
W.S. Lee NG Fired Boiler						
<i>Unit 3</i>						
Asbestos Removal	\$ -	\$ -	\$ -	\$ 1,994,000	\$ 1,994,000	\$ -
Boiler	\$ 1,236,000	\$ 1,063,000	\$ -	\$ -	\$ 2,299,000	\$ -
Steam Turbine & Building	\$ 594,000	\$ 510,000	\$ -	\$ -	\$ 1,104,000	\$ -
Cooling Water Intakes and Circulating Water Pumps	\$ 1,000	\$ 1,000	\$ -	\$ 141,000	\$ 143,000	\$ -
Precipitator	\$ 356,000	\$ 306,000	\$ -	\$ -	\$ 662,000	\$ -
Stacks	\$ 26,000	\$ 22,000	\$ -	\$ -	\$ 48,000	\$ -
Cooling Towers & Basin	\$ 194,000	\$ 167,000	\$ -	\$ -	\$ 361,000	\$ -
GSU & Foundation	\$ 29,000	\$ 25,000	\$ -	\$ -	\$ 54,000	\$ -
On-site Concrete Crushing & Disposal	\$ -	\$ -	\$ 56,000	\$ -	\$ 56,000	\$ -
Debris	\$ -	\$ -	\$ 96,000	\$ -	\$ 96,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (2,037,000)
Subtotal	\$ 2,436,000	\$ 2,094,000	\$ 152,000	\$ 2,135,000	\$ 6,817,000	\$ (2,037,000)
<i>Common</i>						
Roads	\$ 68,000	\$ 58,000	\$ -	\$ -	\$ 126,000	\$ -
All BOP Buildings	\$ 63,000	\$ 54,000	\$ -	\$ -	\$ 117,000	\$ -
Refractory Disposal	\$ -	\$ -	\$ -	\$ 15,000	\$ 15,000	\$ -
Mercury & Universal Waste Disposal	\$ -	\$ -	\$ -	\$ 12,000	\$ 12,000	\$ -
Plant Wash Down & Disposal	\$ -	\$ -	\$ -	\$ 54,000	\$ 54,000	\$ -
Transformer Oil Disposal	\$ -	\$ -	\$ -	\$ 34,000	\$ 34,000	\$ -
Transformer Pad and Soil Removal	\$ -	\$ -	\$ -	\$ 1,000	\$ 1,000	\$ -
Concrete Removal, Crushing, & Disposal	\$ -	\$ -	\$ 4,000	\$ -	\$ 4,000	\$ -
Grading & Seeding	\$ -	\$ -	\$ -	\$ 320,000	\$ 320,000	\$ -
Debris	\$ -	\$ -	\$ 9,000	\$ -	\$ 9,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (32,000)
Subtotal	\$ 142,000	\$ 121,000	\$ 13,000	\$ 436,000	\$ 712,000	\$ (32,000)
W.S. Lee NG Fired Boiler Subtotal	\$ 2,578,000	\$ 2,215,000	\$ 165,000	\$ 2,571,000	\$ 7,529,000	\$ (2,069,000)
TOTAL DECOM COST (CREDIT)					\$ 7,529,000	\$ (2,069,000)
PROJECT INDIRECTS (5%)					\$ 376,000	
CONTINGENCY (20%)					\$ 1,506,000	
TOTAL PROJECT COST (CREDIT)					\$ 9,411,000	\$ (2,069,000)
TOTAL NET PROJECT COST (CREDIT)					\$ 7,342,000	

Table B-41
W.S. Lee CT
Decommissioning Cost Summary

	Labor	Material and Equipment	Disposal	Environmental	Total Cost	Scrap Value
W.S. Lee CT						
<i>CTs 7-8</i>						
CTs	\$ 179,000	\$ 154,000	\$ -	\$ -	\$ 333,000	\$ -
Stack (Metal)	\$ 10,000	\$ 8,000	\$ -	\$ -	\$ 18,000	\$ -
GSUs, Electrical, & Foundation	\$ 36,000	\$ 31,000	\$ -	\$ -	\$ 67,000	\$ -
On-site Concrete Crushing & Disposal	\$ -	\$ -	\$ 4,000	\$ -	\$ 4,000	\$ -
Debris	\$ -	\$ -	\$ 2,000	\$ -	\$ 2,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (390,000)
Subtotal	\$ 225,000	\$ 193,000	\$ 6,000	\$ -	\$ 424,000	\$ (390,000)
<i>Common</i>						
Switchgear & Electrical	\$ 5,000	\$ 5,000	\$ -	\$ -	\$ 10,000	\$ -
BOP Misc.	\$ 8,000	\$ 7,000	\$ -	\$ -	\$ 15,000	\$ -
Roads	\$ 33,000	\$ 29,000	\$ 26,000	\$ -	\$ 88,000	\$ -
All BOP Buildings	\$ 112,000	\$ 96,000	\$ -	\$ -	\$ 208,000	\$ -
Fuel Oil Tanks and Equipment	\$ 52,000	\$ 44,000	\$ -	\$ -	\$ 96,000	\$ -
All Other Tanks	\$ 30,000	\$ 26,000	\$ -	\$ -	\$ 56,000	\$ -
Mercury & Universal Waste Disposal	\$ -	\$ -	\$ -	\$ 12,000	\$ 12,000	\$ -
Transformer Oil Disposal	\$ -	\$ -	\$ -	\$ 25,000	\$ 25,000	\$ -
Transformer Pad and Soil Removal	\$ -	\$ -	\$ -	\$ 9,000	\$ 9,000	\$ -
Soil Remediation Beneath Fuel Oil Tank	\$ -	\$ -	\$ -	\$ 14,000	\$ 14,000	\$ -
Fuel Oil Tank Cleaning	\$ -	\$ -	\$ -	\$ 22,000	\$ 22,000	\$ -
Fuel Oil Line Flushing/Cleaning	\$ -	\$ -	\$ -	\$ 29,000	\$ 29,000	\$ -
Concrete Removal, Crushing, & Disposal	\$ -	\$ -	\$ 9,000	\$ -	\$ 9,000	\$ -
Grading & Seeding	\$ -	\$ -	\$ -	\$ 149,000	\$ 149,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (68,000)
Subtotal	\$ 240,000	\$ 207,000	\$ 36,000	\$ 260,000	\$ 743,000	\$ (68,000)
W.S. Lee CT Subtotal	\$ 465,000	\$ 400,000	\$ 42,000	\$ 260,000	\$ 1,167,000	\$ (458,000)
TOTAL DECOM COST (CREDIT)					\$ 1,167,000	\$ (458,000)
PROJECT INDIRECTS (5%)					\$ 58,000	
CONTINGENCY (20%)					\$ 233,000	
TOTAL PROJECT COST (CREDIT)					\$ 1,458,000	\$ (458,000)
TOTAL NET PROJECT COST (CREDIT)					\$ 1,000,000	

Table B-42
Wylie Hydro Station
Decommissioning Cost Summary

	Labor	Material and Equipment	Disposal	Environmental	Total Cost	Scrap Value
Wylie Hydro Station						
<i>Wylie Hydro Station: Unit 1</i>						
Demolition	\$ 791,000	\$ 801,000	\$ -	\$ -	\$ 1,592,000	\$ -
Debris	\$ -	\$ -	\$ 8,000	\$ -	\$ 8,000	\$ -
On Site Crushing	\$ -	\$ -	\$ 1,000	\$ -	\$ 1,000	\$ -
Scrap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (550,000)
Subtotal	\$ 791,000	\$ 801,000	\$ 9,000	\$ -	\$ 1,601,000	\$ (550,000)
<i>Wylie Hydro Station: Facilities Environmental</i>						
Asbestos Removal	\$ -	\$ -	\$ -	\$ 343,000	\$ 343,000	\$ -
Mercury & Universal Waste Disposal	\$ -	\$ -	\$ -	\$ 11,000	\$ 11,000	\$ -
Transformer Oil Disposal	\$ -	\$ -	\$ -	\$ 7,000	\$ 7,000	\$ -
Transformer Pad and Soil Removal	\$ -	\$ -	\$ -	\$ 8,000	\$ 8,000	\$ -
Subtotal	\$ -	\$ -	\$ -	\$ 369,000	\$ 369,000	\$ -
Wylie Hydro Station Subtotal	\$ 791,000	\$ 801,000	\$ 9,000	\$ 369,000	\$ 1,970,000	\$ (550,000)
TOTAL DECOM COST (CREDIT)					\$ 1,970,000	\$ (550,000)
PROJECT INDIRECTS (5%)					\$ 99,000	
CONTINGENCY (20%)					\$ 394,000	
TOTAL PROJECT COST (CREDIT)					\$ 2,463,000	\$ (550,000)
TOTAL NET PROJECT COST (CREDIT)					\$ 1,913,000	



CREATE AMAZING.

Burns & McDonnell World Headquarters
9400 Ward Parkway
Kansas City, MO 64114
O 816-333-9400
F 816-333-3690
www.burnsmcd.com